

2024-25

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T O O L S

**your
industrial
partner**

garvintools.com

Lifetime Garvin Tools...

JAS-ANZ



ISO 9001:2015
CERTIFIED

COMPANY INTRODUCTION

Building relationship with our quality & Dedicated services is always on the top of our Company's Agenda and this has established ourselves as an leading manufacturers & Exporters of Industrial & Precision Tools since 1979.

Our Group of Engineers with decades of expertise in Tool Designing & Quality maintenance has led to a massive growth of our company around the Globe.

In Pursuit of '**Excellence & Perfection**' we give our tools high accuracy, economy & longer life by ensuring proper heat treatment and inspection with sophisticated instruments under the staff of dedicated & Experienced Engineers so as to ensure reliable performance under most demanding conditions. As a part of our constant endeavor to offer our customers enhanced services and better tool value, we keep ourselves updating with new developments and competitive prices with a strict policy of '**No Compromise In Quality.**'

Backed with valuable support & Belief of our worldwide long-term customers, we encouraged ourselves to diversify our product range to support our much valued customers for one stop shop for all tooling needs.

Our Deep Interest & love to take challenges to develop new tools exactly as per customers sample has built a firm confidence in our customers on us, as we are 100% successful in our development programme.

In view to offer our best of everything, we are proud to present you with our new catalogue.

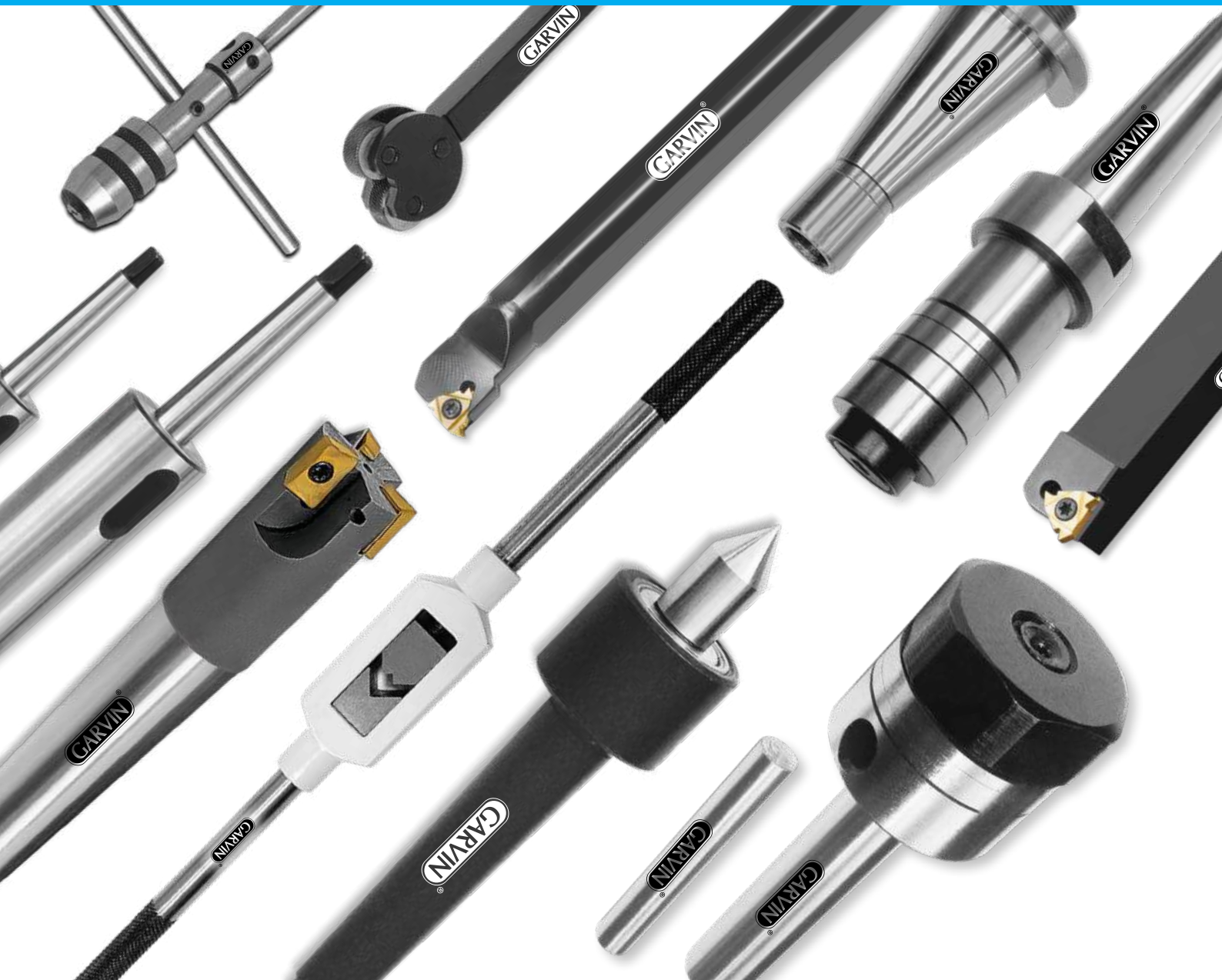
The Management :

Presidents

Gajender Jain
Ramesh Jain

Vice Presidents

Nishant Jain
Ravi Jain

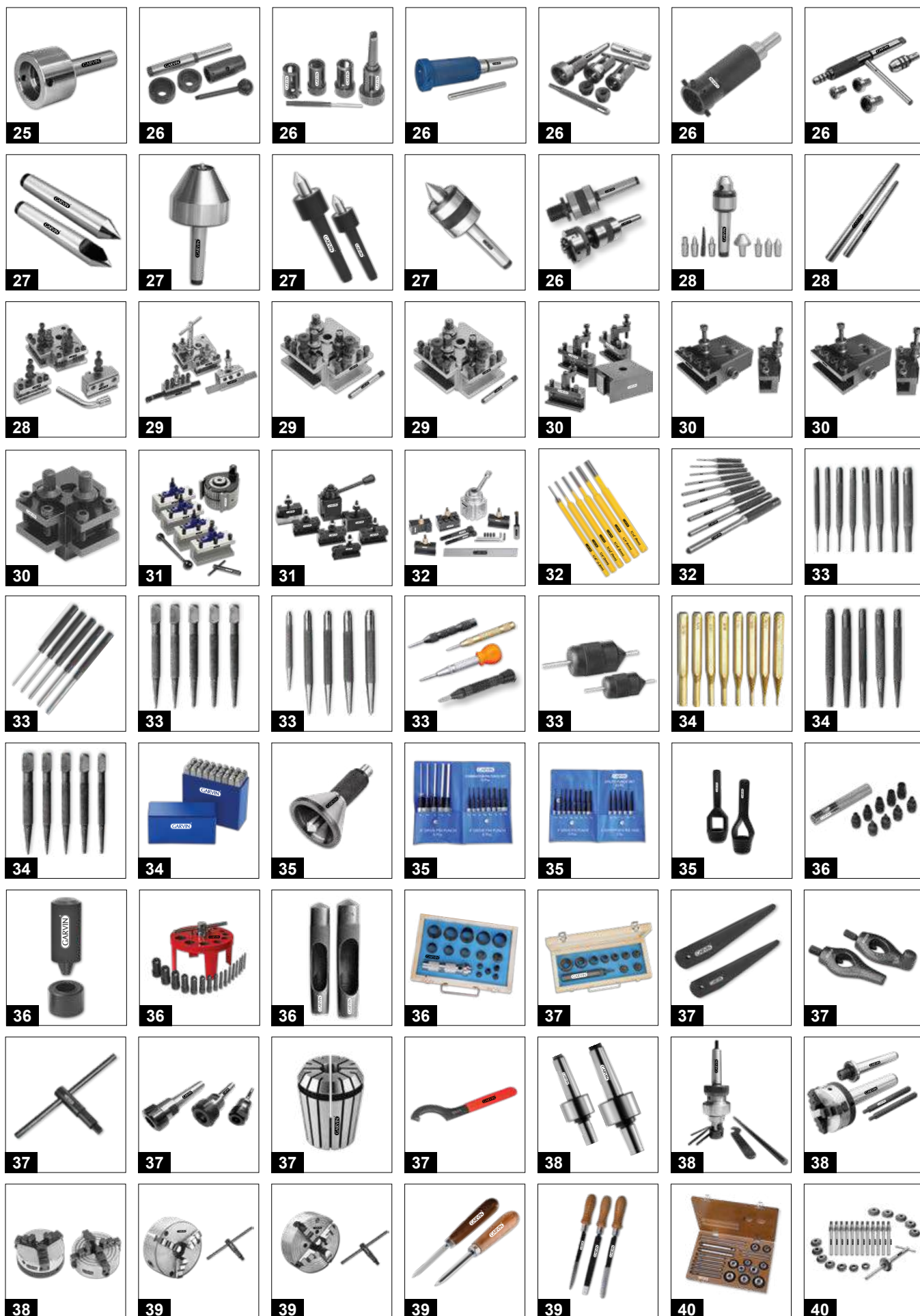


MACHINE TOOLS ACCESSORIES











01

BORING HEADS



METRIC

Cat No	Head Dia mm	Mounting Thread	Boring Tool Dia mm	Center Dist. B/w Holes mm	Min Bore mm	Max Bore mm
GPH-0055	30	M14x1.0	6	9	6	45
GPH-0059	38	M14x1.0	8	11	8	60
GPH-8038M	50	1-1/2" x 18 TPI	12	16	10	100
GPH-8039M	75	1-1/2" x 18 TPI	20	24	10	220
GPH-8040M	100	1-1/2" x 18 TPI	25	25	10	250

IMPERIAL

Cat No	Head Dia Inch	Mounting Thread	Boring Tool Dia Inch	Center Dist. B/w Holes Inch	Min Bore	Max Bore
GPH-8037	2	7/8 x 20 UNF	1/2"	3/8"	3/8"	4"
GPH-8038	2	1-1/2" x 18 TPI	1/2"	3/8"	3/8"	4"
GPH-8039	3	1-1/2" x 18 TPI	3/4"	15/16"	3/8"	9"
GPH-8040	4	1-1/2" x 18 TPI	1"	1"	3/8"	10"

02

INDEXABLE BORING HEADS



30mm

35mm

50mm

Cat No	Head Diameter	Mounting Thread Size	Overall Length	Suitable Carbide Insert
GPH-0060	30mm	M14x1.0	40mm	CCMT-060204
GPH-0061	35mm	M14x1.0	45mm	CCMT-060204
GPH-0062	50mm	1-1/2x18 TPI	60mm	CCMT-090304

- Supplied With Suitable Carbide Insert, Screw & Torx Key.
- Spare Accessories available on request.
- Eliminates the use of Boring Bars.
- Carbide Insert Provides Chatter Free and Fine Finished cuts with precision.
- Readily Available Shanks. Please check for Suitable Shanks on Page No. 9.

03

BORING HEAD

R8 Integrated Shank

Cat No	Head Diameter	Overall Length	Draw Bar Thread	Max. Off Set	Center Distance B/W Holes	Cross Vertical Hole Size
GPH-8046	50mm	165mm	7/16x20 UNF	20mm	16mm	12mm
GPH-8045	2-1/2"	7-3/16"	7/16x20 UNF	3/4"	5/8"	1/2"

- Rugged construction for smooth & chatterless operation.
- Precision hardened steel.
- Boring capacity 100mm/4".



04

BORING HEAD PIVOT TYPE

45mm

Cat No	Shank	Contents
GBK-0092	MT-2	Boring Head + Shank + Fly Cutter
GBK-0093	MT-3	Boring Head + Shank + Fly Cutter
GBK-0094	MT-2+MT-3	Boring Head + Shanks + Fly Cutter



- Boring bar hole size - 10mm.
- Minimum bore - 8mm.
- Maximum bore - 10mm.
- Overall length - 53mm.
- Mounting thread - M16.
- Slide travel - 19mm.
- Boring head with tool holder.
- Swing through 90°.
- Graduated 0.001" (0.02mm).
- Positive side lock.

05

BORING HEAD SHANKS

METRIC

Cat No	Style	Draw Bar	Mounting Thread	Suitable for Boring Head
GSS-8074	12mm	-	M14x1.0	30 & 38mm
GSS-8001	MT-1	M6	M14x1.0	30 & 38mm
GSS-8075	MT-2	M10	M14x1.0	30 & 38mm
GSS-8076	MT-3	M12	M14x1.0	30 & 38mm
GSS-8069A	MT-1	M6	1-1/2x18 TPI	50/75/100mm
GSS-8070	MT-2	M10	1-1/2x18 TPI	50/75/100mm
GSS-8071	MT-3	M12	1-1/2x18 TPI	50/75/100mm
GSS-8069	MT-4	M16	1-1/2x18 TPI	50/75/100mm
GSS-8072	ISO 30	M12	1-1/2x18 TPI	50/75/100mm
GSS-8073	ISO 40	M16	1-1/2x18 TPI	50/75/100mm
GSS-8080	ISO 50	M24	1-1/2x18 TPI	50/75/100mm
GSS-8081	BT 30	M12	1-1/2x18 TPI	50/75/100mm
GSS-8082	BT 40	M16	1-1/2x18 TPI	50/75/100mm
GSS-8083	BT 50	M24	1-1/2x18 TPI	50/75/100mm



IMPERIAL

Cat No	Style	Draw Bar	Mounting Thread	Suitable for Boring Head
GSS-8046	R8	7/16" UNF	7/8" UNF	2/3/4"
GSS-8047	MT-2	3/8" BSW	7/8" UNF	2/3/4"
GSS-8048	MT-3	1/2" BSW	7/8" UNF	2/3/4"
GSS-8053	R8	7/16" UNF	1-1/2x18 TPI	2/3/4"
GSS-8054	MT-2	3/8" BSW	1-1/2x18 TPI	2/3/4"
GSS-8055	MT-3	1/2" BSW	1-1/2x18 TPI	2/3/4"
GSS-8056	MT-4	5/8" BSW	1-1/2x18 TPI	2/3/4"



06

BORING HEAD KITS 30mm

Cat No	Style	Set Contents	Qty
GBK-0060	12mm St Shank	Boring Head	1
		Brazed Boring Bars	5
		Shank	1
		Fly Cutter 45°	1

Cat No	Style	Set Contents	Qty
GBK-0061	MT-2	Boring Head	1
		Brazed Boring Bars	5
		Shank	1
		Fly Cutter 45°	1

Cat No	Style	Set Contents	Qty
GBK-0062	MT-2 + 12mm	Boring Head	1
		Brazed Boring Bars	5
		Shank	1
		Fly Cutter 45°	1



07

BORING HEAD KITS 38mm

Cat No	Style	Set Contents	Qty
GBK-0063	12mm St Shank	Boring Head	1
		Brazed Boring Bars	5
		Shank	1
		Fly Cutter 45°	1

Cat No	Style	Set Contents	Qty
GBK-0064	MT-2	Boring Head	1
		Brazed Boring Bars	5
		Shank	1
		Fly Cutter 45°	1

Cat No	Style	Set Contents	Qty
GBK-0065	12mm St Shank + MT-2 + MT-3	Boring Head	1
		Brazed Boring Bars	5
		Shank	1
		Fly Cutter 45°	1

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BORING HEAD KITS

50mm / 2"



Cat No (METRIC)	Cat No (INCHES)	Style	Set Contents	Qty
GBK-0075	GBK-0089	MT-1	Boring Head	1
GBK-0054	GBK-0090	MT-2	Brazed Boring Bars	5
GBK-0055	GBK-0091	MT-3	Shank	1
GBK-0076	GBK-0095	MT-4	Fly Cutter 45°	1



Cat No (METRIC)	Cat No (INCHES)	Style	Set Contents	Qty
GBK-0057	GBK-0074	MT-2 + MT-3	Boring Head	1
			Brazed Boring Bars	5
			Shanks	2
			Fly Cutter 45°	1



Cat No	Style	Set Contents	Qty
GBK-0056	R8	Boring Head	1
		Brazed Boring Bars	5
		Shank	1
		Fly Cutter 45°	1



Cat No	Style	Set Contents	Qty
GBK-0058	ISO -30	Boring Head	1
GBK-0059	ISO-40	Brazed Boring Bars	5
GBK-0061	ISO-50	Shank	1
		Fly Cutter 45°	1



Cat No	Style	Set Contents	Qty
GBK-0096	BT-30	Boring Head	1
GBK-0097	BT-40	Brazed Boring Bars	5
GBK-0098	BT-50	Shank	1
		Fly Cutter 45°	1



09

BORING HEAD KIT 62mm

Cat No	Style	Set Contents	Qty
GBK-0068	R8	Boring Head	1
GBK-0300	MT-2	Brazed Boring Bars	1
GBK-0301	MT-3	Shank	1
GBK-0302	MT-4	Fly Cutter 45°	2
GBK-0303	ISO-30		
GBK-0304	ISO-40		
GBK-0305	ISO-50		
GBK-0306	BT-30		
GBK-0307	BT-40		
GBK-0308	BT-50		



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BORING HEAD KIT 75mm / 3"

Cat No	Style	Set Contents	Qty
GBK-0088	R8	Boring Head	1
		Brazed Boring Bars	5
		Shank	1



Cat No (METRIC)	Cat No (INCHES)	Style	Set Contents	Qty
GBK-0081	GBK-0309	MT-2	Boring Head	1
GBK-0082	GBK-0310	MT-3	Brazed Boring Bars	5
GBK-0083	GBK-0311	MT-4	Shank	1



Cat No	Style	Set Contents	Qty
GBK-0085	ISO-30	Boring Head	1
GBK-0086	ISO-40	Brazed Boring Bars	5
GBK-0087	ISO-50	Shank	1



Cat No	Style	Set Contents	Qty
GBK-0312	BT-30	Boring Head	1
GBK-0313	BT-40	Brazed Boring Bars	5
GBK-0314	BT-50	Shank	1

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SENSITIVE DRILL ATTACHMENT



- A Very Handy Tool that enables drilling of Small holes with High Precision.
- Drill Can be Moved Easily and Precisely with Lever Mechanism.
- Allows approx 25mm (1") of Travel.
- To be used with Drill Chuck either Keyless or Key Type.

Cat No	Size
GDA-7049	MT-2 x B16
GDA-7051	MT-2 x B18
GDA-7052	MT-2 x B22
GDA-7050	MT-3 x B16
GDA-7053	MT-3 x B18
GDA-7054	MT-3 x B22
GDA-7055	MT-2 x JT2
GDA-7056	MT-2 x JT3
GDA-7057	MT-2 x JT33
GDA-7058	MT-3 x JT2
GDA-7059	MT-3 x JT3
GDA-7060	MT-3 x JT33

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TAPER TURNING ATTACHMENT



Cat No	Shank	Capacity
GTT-5071	MT-2	40-165mm
GTT-5072	MT-3	40-165mm

- Easiest Way to To do Taper Turning, without offsetting the Tailstock.
- Adjustable Screws on Both Sides for Fine Adjustments.
- Calibrated 6° to the left or right.
- Fully Hardened & Ground Material manufactured from Alloy Steel.

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UNIVERSAL CIRCLE CUTTER



Cat No	Shank	Capacity
GCC-0171	12mm	40-165mm

SPARE CUTTER

Cat No	Size
GCC-0172	1/4x2" (5% Co.)

- A Very Handy Tool that enables drilling of Small holes with High Precision.
- Drill Can be Moved Easily and Precisely with Lever Mechanism.
- Allows approx 25mm (1") of Travel.
- To be used with Drill Chuck either Keyless or Key Type.

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BALL TURNING ATTACHMENT TNMG Insert

Cat No	Description
GBT-0011	Complete with Insert
GCI-TNMG	Spare Insert

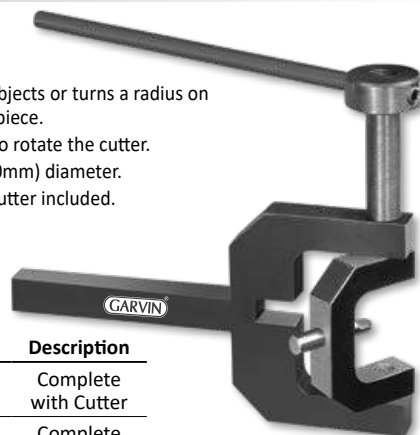
- Used to quickly turn balls and cones.
- Designed for Lathe having center height 2-1/16".



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RADIUS TURNING ATTACHMENT

- Cuts ball-shaped objects or turns a radius on the end of a work piece.
- Swing the handle to rotate the cutter.
- Turn up to 3/4" (20mm) diameter.
- High Speed Steel cutter included.



Cat No	Shank	Description
GBT-0088	3/8" (10mm)	Complete with Cutter
GBT-0090	1/2" (12mm)	Complete with Cutter
GBT-0089	Spare Cutter	

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TURNING TOOL HOLDERS American Pattern

DISCONTINUED



Cat No Straight	Cat No Left	Cat No Right	Holder Size		Suitable Tool Bit	
			Inch	mm	Inch	mm
GHT-7300	GHT-7308	GHT-7316	5/16x3/4x 4-1/2	8 x 19 x 114	3/16	4.76
GHT-7301	GHT-7309	GHT-7317	3/8x7/8x 5	9.5 x 22 x 127	1/4	6.35
GHT-7302	GHT-7310	GHT-7318	1/2x1-1/8x 6	13 x 28 x 152	5/16	7.93
GHT-7303	GHT-7311	GHT-7319	5/8x1-3/8x 7	16 x 35 x 178	3/8	9.52
GHT-7304	GHT-7312	GHT-7320	3/4x1-5/8x 8	19 x 41 x 203	7/16	11.11
GHT-7305	GHT-7313	GHT-7321	7/8x1-3/4x 9	22 x 44 x 228	1/2	12.7
GHT-7306	GHT-7314	GHT-7322	1x2x11	25 x 50 x 280	5/8	15.87
GHT-7307	GHT-7315	GHT-7323	1-1/4x2-1/4x 13	32 x 57 x 330	3/4	19.05

- Supplied in three shapes; Straight, Left & Right Hand.
- Manufactured from fine quality special steel & finely blackodized.
- Supplied with one key & bolt.
- Properly hardened & grinded.
- Also Available with Suitable Tool bit on request.

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TURNING TOOL HOLDERS English Pattern



Cat No Straight	Cat No Left	Cat No Right	Holder Size mm	Suitable Tool Bit Inch
GHT-7324	GHT-7331	GHT-7338	12 x 16 x 100	1/8
GHT-7325	GHT-7332	GHT-7339	14 x 18 x 145	3/16
GHT-7326	GHT-7333	GHT-7340	16 x 20 x 190	1/4
GHT-7327	GHT-7334	GHT-7341	18 x 22 x 215	5/16
GHT-7328	GHT-7335	GHT-7342	20 x 25 x 235	3/8
GHT-7329	GHT-7336	GHT-7343	22 x 28 x 260	7/16
GHT-7330	GHT-7337	GHT-7344	25 x 30 x 275	1/2

- Supplied in three shapes; Straight, Left & Right Hand.
- Manufactured from fine quality special steel & Finely Blackodized.
- Toolbits held parallel to shank to provide maximum support to cutting edge.
- Supplied with one key & bolt but without tool bit.
- Very useful tool for European & English Lathes.

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TURNING TOOL HOLDERS / ADJUSTABLE



Cat No	Model #	Capacity		Overall Length	
		Inch	mm	Inch	mm
GHT-7393	# 523	3/16 to 1/4	4.76 to 6.35	5	127
GHT-7394	# 543	1/4 to 5/16	6.35 to 7.93	5-1/2	140
GHT-7395	# 533	5/16 to 3/8	7.93 to 9.32	6	152
GHT-7396	# 553	3/8 to 1/2	9.52 to 12.7	8	203

- These tool holders offer maximum effectiveness by means of a carefully machined groove with relieved corners which enables the tool bit to rest on a really flat surface.
- Properly hardened & grinded & Finely blackodized.

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MINI TURNING TOOL

3 Pc Set



SPARE HSS TOOLBIT

Cat No	Shank	Toolbit Size
GTH-7057	8mm (5/16")	3.15mm (1/8")

Cat No
GTB-0402

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UNIVERSAL TOOL HOLDER



Straight Cat No	CAPACITY (SQUARE TOOL)		Holder Size mm
	Inch	mm	
GHT-7393A	1/4	6	110 x 12 x 16
GHT-7394B	3/8	9.5	120 x 14 x 18
GHT-7395C	1/2	12.7	145 x 18 x 20
GHT-7396D	5/8	16	175 x 20 x 25
GHT-7396E	3/4	19	250 x 25 x 32

- Manufactured from high-grade steel, fully hardened.
- Supplied with suitable allen keys & nuts but without tool bit.
- Tool bit can be hold in three different directions.

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PARTING TOOL HOLDER

Eclipse Type



Cat No	Ref #	Shank	Capacity
GHT-7398	653S	1/2 x 1 x 6"	1/2" - 5/8"
GHT-7399	673S	5/8 x 1-3/8 x 7"	3/4" - 7/8"
GHT-7400	693S	3/4" x 1-11/16 x 7-1/2"	1" - 1-1/8"

- Manufactured from high-grade steel, fully hardened.
- Supplied with suitable wrench.

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CUT-OFF TOOL HOLDERS

Parting Tool Holders



Straight Cat No	Left Cat No	Right Cat No	Holder Size		Suitable Tool Bit	
			Inch	mm	Inch	mm
GHT-7345	GHT-7354	GHT-7363	5/16x9/16x3-1/2	8 x 14 x 90	1/16x 5/16	1.58x 7.93
GHT-7346	GHT-7355	GHT-7364	5/16x3/4x4-1/2	8 x 19 x 114	3/32x 1/2	2.38x 12.7
GHT-7347	GHT-7356	GHT-7365	3/8x7/8x5	9.5 x 22 x 127	3/32x 5/8	2.38x 15.87
GHT-7348	GHT-7357	GHT-7366	1/2x1-1/8x6	13 x 28 x 152	1/8x 3/4	3.17x 19.05
GHT-7349	GHT-7358	GHT-7367	5/8x1-3/8x7	16 x 35 x 178	1/8x 7/8	3.17x 22.22
GHT-7350	GHT-7359	GHT-7368	3/4x1-5/8x8	19 x 41 x 203	3/16x 1	4.76x 25.4
GHT-7351	GHT-7360	GHT-7369	7/8x1-3/4x9	22 x 44 x 228	3/16x 1-1/8	4.76x 28.57
GHT-7352	GHT-7361	GHT-7370	1x2x10	25 x 50 x 250	1/4x 1-1/4	6.35x 31.75
GHT-7353	GHT-7362	GHT-7371	1-1/4x2-1/4x11	32 x 57 x 280	1/4x 1-3/8	6.35x 34.92

- Supplied in three shapes; Straight, Left & Right Hand.
- Manufactured from fine quality special steel, Hardened & Ground and finely blackodized.
- Grooves are properly manufactured to avoid play & breakage of blades.
- Very useful tool for European & English Lathes.

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PARTING TOOL BLOCKS

Indexable



SPARE INSERT

Cat No	Type
GTN-2	2mm
GTN-3	3mm



SPARE BLADES

Cat No Holder	Cat No With Blade + 2 Insert	Shank Size mm	Suitable Blade mm	Suitable Carbide Insert
GPS-0007	GPS-0013	8 x 31 x 65mm	1.7 x 20 x 90mm	GTN-2mm
GPS-0008	GPS-0014	10 x 31 x 65mm	1.7 x 20 x 90mm	GTN-2mm
GPS-0009	GPS-0015	12 x 31 x 65mm	1.7 x 20 x 90mm	GTN-2mm
GPS-0025	GPS-0026	14 x 31 x 65mm	1.7 x 25 x 110mm	GTN-2mm
GPS-0010	GPS-0016	16 x 38 x 90mm	1.7 x 25 x 110mm	GTN-2mm
GPS-0011	GPS-0027	20 x 50 x 110mm	2.3 x 32 x 150mm	GTN-3mm
GPS-0012	GPS-0028	25 x 50 x 110mm	2.3 x 32 x 150mm	GTN-3mm

Cat No With Insert	Cat No Without Insert	Suitable For Shank
GPB-0008	GPB-0010	8, 10 & 12mm
GPB-0009	GPB-0011	14 & 16mm
GPB-0029	GPB-0009B	20 & 25mm

- Hardened Alloy Steel Rigid Construction to provide no vibration and chatterless Parting.
- 2 Inserts will be provided if ordered with Blade.

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PARTING & GROOVING HOLDERS

SGTHR



SPARE INSERT

Cat No	Type
GTN-3	3mm

Cat No	Shank mm	Shank Inches	Insert
GPT-1000	8	5/16"	GTN-3
GPT-1001	10	3/8"	GTN-3
GPT-1002	12	1/2"	GTN-3
GPT-1003	14	9/16"	GTN-3
GPT-1004	16	5/8"	GTN-3
GPT-1005	20	3/4"	GTN-3

- Supplied with GTN-3 Insert.

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PARTING TOOL HOLDER

Mini Clamp Type

Cat No	Cat No with Blade	Shank
GPT-0019	GPT-0019B	8x8x70mm
GPT-0020	GPT-0020B	10x10x80mm
GPT-0021	GPT-0021B	12x12x80mm

- Positive Locking of Blade with thicker Clamp to Hold Blade.



SPARE HSS PARTING BLADE

Cat No	Size
GTB-4000	1.5x8.25x73mm (M-2)
GTB-4000Co	1.5x8.25x73mm (M-35)

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PARTING TOOL HOLDERS

Mini

Cat No	Cat No with Blade	Shank	Suitable Blade
GPT-0016	GPT-0016B	6x6x80mm	1.45 x 5 x 62mm
GPT-0017	GPT-0017B	8x8x80mm	1.45 x 5 x 62mm
GPT-0018	GPT-0018B	10x10x80mm	1.45 x 5 x 62mm

SPARE BLADES

Cat No
GTB-3909



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PARTING TOOL HOLDERS

Clamp Type

Cat No	Shank	Length	Suitable Blade	
			Metric	Inch
GPT-0044	10mm (3/8")	55mm (2-3/16")	2.5 x 12.7mm	3/32 x 1/2"
GPT-0045	12mm (1/2")	55mm (2-3/16")	3 x 19mm	1/8 x 3/4"

SPARE BLADES

Cat No	Suitable For Shank
GTB-3902	10mm (3/8")
GTB-3905	12mm (1/2")



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PARTING TOOL HOLDERS

"KOMET" Type

Cat No Holder	Cat No With Blade	Shank Size mm	Suitable Blade mm
GTH-0110	GTH-0115	10x10x80mm	2x8x70mm
GTH-0010	GTH-0116	11x16x100mm	2x8x80mm
GTH-0011	GTH-0117	11x18x125mm	2.5x10x100mm
GTH-0012	GTH-0118	13x22x135mm	3.5x12x125mm

SPARE BLADES

Cat No	Suitable For Shank
GTH-0111	10x10x80mm
GTH-0112	11x16x100mm
GTH-0113	11x18x125mm
GTH-0114	13x22x135mm



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KNURLING TOOL HOLDER

1 Knurl

Cat No	Model #	Holder Size		Knurl Dimensions	
		Inch	mm	Inch	mm
GHT-7439	1019	1/2 x 1/2 x 4	12.7 x 12.7 x 100	3/4 x 1/4 x 1/4	19 x 6.35 x 6.35
GHT-7440	1020	3/4 x 3/4 x 5	19 x 19 x 127	3/4 x 3/8 x 1/4	19 x 9.52 x 6.35



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KNURLING TOOL HOLDER QUICK ACTING

2 Knurl

Cat No	Holder Size		Knurl Dimensions		Working Capacity
	Inch	mm	Inch	mm	
GHT-7442A	6 x 1/2 x 5/8	150 x 12.7 x 15.87	3/4 x 3/8 x 1/4	19 x 9.52 x 6.35	1.6 - 56mm
GHT-7443B	8-1/4 x 5/8 x 3/4	210 x 15.87 x 19.05	3/4 x 3/8 x 1/4	19 x 9.52 x 6.35	63 - 112mm



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KNURLING TOOL HOLDER SELF ADJUSTING HEAD

2 Knurl

Cat No	Model #	Holder Size		Knurl Dimensions	
		Inch	mm	Inch	mm
GHT-7427	1755	5/16 x 3/4 x 5	8 x 19 x 127	5/8 x 5/16 x 7/32	16 x 7.90 x 5.55
GHT-7428	1756	3/8 x 7/8 x 5-1/2	9.5 x 22 x 140	5/8 x 5/16 x 7/32	16 x 7.90 x 5.55
GHT-7429	1757	1/2 x 1-1/8 x 6-1/2	12.7 x 28 x 165	3/4 x 3/8 x 1/4	19 x 9.52 x 6.35
GHT-7430	1758	5/8 x 1-3/8 x 7-1/2	16 x 35 x 190	3/4 x 3/8 x 1/4	19 x 9.52 x 6.35



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KNURLING TOOL HOLDER PIVOT HEAD

2 Knurl

Cat No	Model #	Holder Size		Knurl Dimensions	
		Inch	mm	Inch	mm
GHT-7437	1017	1/2 x 1/2 x 4-1/2	12.7 x 12.7 x 115	3/4 x 3/8 x 1/4	19 x 9.52 x 6.35
GHT-7438	1017A	1/2 x 1/2 x 5	12.7 x 12.7 x 127	3/4 x 1/4 x 1/4	19 x 6.35 x 6.35
GHT-7437A	1017B	3/4 x 3/4 x 5	19 x 19 x 125	3/4 x 3/8 x 1/4	19 x 9.52 x 6.35



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KNURLING TOOL HOLDER CLAMP TYPE

2 Knurl

Cat No	Model #	Holder Size		Knurl Dimensions		Working Capacity
		Inch	mm	Inch	mm	
GHT-7441	1022	5/8 x 3/8 x 3	16 x 9.5 x 75mm	3/4 x 3/8 x 1/4	19 x 9.52 x 6.35	3 - 25mm
GHT-7442	1022A	3/8 x 3/8 x 5-3/4	9.5 x 9.5 x 145mm	3/4 x 3/8 x 1/4	19 x 9.52 x 6.35	3 - 25mm



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KNURLING TOOL HOLDER KIT

7 Pc

Cat No	Model #	Holder Size		Knurl Dimensions	
		Inch	mm	Inch	mm
GHT-1033	1033	3/4 x 11/16 x 5.3/8	20 x 18 x 135mm	1.1/32 x 5/16 x 5/16	26 x 8 x 8

- Knurls Included - FINE 0.5mm / MEDIUM 1.0mm / COARSE 2.0mm (Left + Right).



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KNURLING TOOL HOLDER

linear



Cat No	Model #	Holder Size		Knurl Dimensions		Working Capacity
		Inch	mm	Inch	mm	
GHT-7450	1032	3/8 x 3/8 x 4	10 x 10 x 100	3/4 x 3/8 x 1/4	14 x 9.52 x 6.35	5-33mm

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KNURLING TOOL HOLDER V STYLE

2 Knurl



Cat No	Model #	Holder Size		Knurl Dimensions		Working Capacity
		Inch	mm	Inch	mm	
GKT-0048	1023	3/8 x 3/8 x 2-1/4	9.5 x 9.5 x 56	3/4 x 3/8 x 1/4	19 x 9.52 x 6.35	5-20mm

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KNURLING TOOL HOLDER REVOLVING HEAD

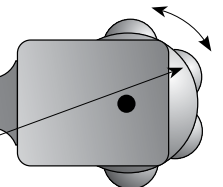
6 Knurl



Cat No	Model #	Holder Size		Knurl Dimensions	
		Inch	mm	Inch	mm
GHT-7431	1112	5/16 x 3/4 x 5	8 x 19 x 127	5/8 x 5/16 x 7/32	16 x 7.90 x 5.55
GHT-7432	1113	3/8 x 7/8 x 5-1/2	9.5 x 22 x 140	5/8 x 5/16 x 7/32	16 x 7.90 x 5.55
GHT-7433	1114	1/2 x 1-1/8 x 6-1/2	12 x 28 x 165	3/4 x 3/8 x 1/4	19 x 9.52 x 6.35
GHT-7434	1115	5/8 x 1-3/8 x 7-1/2	16 x 35 x 190	3/4 x 3/8 x 1/4	19 x 9.52 x 6.35
GHT-7436	1015	1 x 1 x 7-1/5	25 x 25 x 165	3/4 x 3/8 x 1/4	19 x 9.52 x 6.35
GHT-7435	1027	1/2 x 7/8 x 6-1/2	12 x 22 x 165	3/4 x 3/8 x 1/7	16 x 6.4 x 4.5
GHT-7461	1030	1/2 x 1/2 x 7	12 x 12 x 175	5/8 x 3/16 x 3/16	16 x 5 x 5
GHT-7460	1031	5/8 x 5/8 x 7	16 x 16 x 175	5/8 x 3/16 x 3/16	16 x 5 x 5

TYPICAL KNURLING TOOL

DISK CAN BE ROTATED TO GIVE DIFFERENT PATTERNS



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KNURLING TOOL HOLDER MULTI HEAD

3 Attachments



Cat No	Holder Size		Knurl Dimensions	
	Inch	mm	Inch	mm
GHT-7443	3/4 x 3/4 x 4	19 x 19 x 100	3/4 x 3/8 x 1/4	19 x 9.52 x 6.35

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KNURLING TOOL HOLDER KIT

7 Pc



Cat No	Model #	Holder Size		Knurl Dimensions	
		Inch	mm	Inch	mm
GHT-7445	# 1025	3/8 x 3/8 x 4	10 x 10 x 100	5/8 x 5/32 x 5/32	16 x 4 x 4
GHT-7449	# 1026	1/2 x 1/2 x 4	12 x 12 x 100	3/4 x 1/4 x 1/4	19 x 6.35 x 6.35

- Straight - Fine/Medium/Coarse
- Diamond - Fine/Medium/Coarse

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KNURLING TOOL HOLDER

3 Interchangeable Heads

Cat No	Model #	Holder Size		Knurl Dimensions	
		Inch	mm	Inch	mm
GHT-7444	# 1024	5/8 x 5/8 x 4-7/8	16 x 16 x 120	5/8 x 5/16 x 1/4	16 x 8 x 6

- These Knurling Tool Holders Have 3 Interchangeable Heads for Center Height Upto 12 & 16mm.



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KNURLING TOOL HOLDER DOUBLE ENDED

2 Knurl

Cat No	Holder Size		Knurl Dimensions	
	Inch	mm	Inch	mm
GHT-7446	1/2 x 1/2 x 5	12.7 x 12.7 x 125	3/4 x 1/4 x 1/4	19 x 6.35 x 6.35



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KNURLING TOOL HOLDER REVOLVING HEAD

3 Knurl

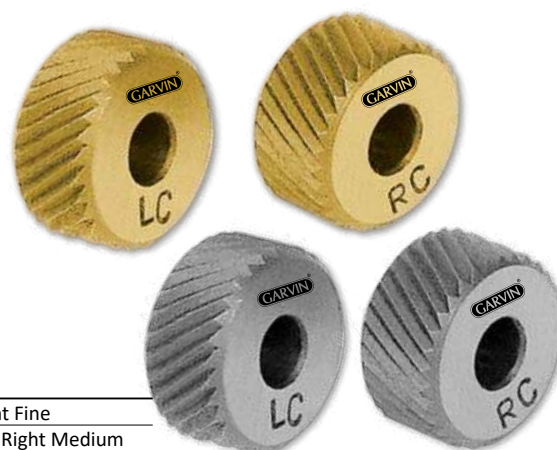
Cat No	Model #	Holder Size		Knurl Dimensions	
		Inch	mm	Inch	mm
GHT-7447	# 1016	1/2 x 1 x 6	12.7 x 25 x 150	3/4 x 3/8 x 1/4	19 x 9.52 x 6.35



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SPARE KNURLS

Dia		Thickness		Bore	
Inch	mm	Inch	mm	Inch	mm
COARSE PITCH - 14 TPI					
5/8"	16	5/16"	7.90	1/4"	6.35
5/8"	16	5/16"	7.90	7/32"	5.55
3/4"	19	1/4"	6.35	1/4"	6.35
3/4"	19	3/8"	9.52	1/4"	6.35
MEDIUM PITCH - 21 TPI					
5/8"	16	5/16"	7.90	1/4"	6.35
5/8"	16	5/16"	7.90	7/32"	5.55
3/4"	19	1/4"	6.35	1/4"	6.35
3/4"	19	3/8"	9.52	1/4"	6.35
FINE PITCH - 33 TPI					
5/8"	16	5/16"	7.90	1/4"	6.35
5/8"	16	5/16"	7.90	7/32"	5.55
3/4"	19	1/4"	6.35	1/4"	6.35
3/4"	19	3/8"	9.52	1/4"	6.35



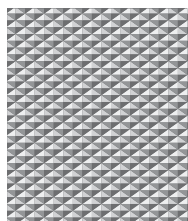
PAIRS

Left Fine + Right Fine
Left Medium + Right Medium
Left Coarse + Right Coarse

- Please mention size of knurl while ordering.
- Also available in High Speed Steel & tin coated.
- Please mention LEFT, RIGHT, STRAIGHT, DIAMOND or CROSS while ordering.



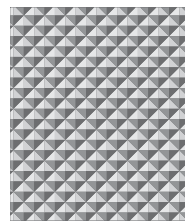
STRAIGHT



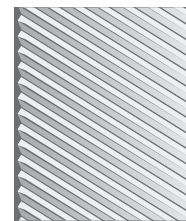
DIAMOND



LEFT



CROSS



RIGHT

44

FLY TOOL CUTTERS

With Suitable Tool Bits

Cat No	Shank Dia
GHT-7468	1/2"
GHT-7468M	12mm

- Fly cutters are used primarily on a milling machine for machining large, flat surface areas.
- Fly cutters can be used in machining centers and manual mills without the use of additional arbors.
- Fly cutters can be used to remove large amounts of metal and level it with the advantage that it can be re-sharpened by straight-forward grinding.



45

FLY TOOL CUTTER SET

Round Tool Bits

Cat No	Head Dia		Shank Dia		Bore	
	Inch	mm	Inch	mm	Inch	mm
GFC-7465	9/16	14	3/8	10	1/4	6
GFC-7466	3/4	19	3/8	10	5/16	8
GFC-7467	7/8	22	3/8	10	3/8	10
GFC-7468A	3Pc Set of Above (With Suitable Tool Bits)					



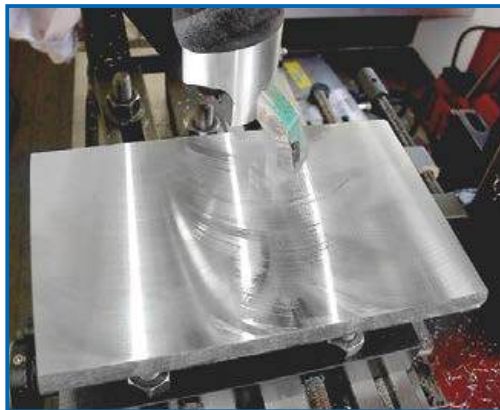
46

FLY TOOL CUTTER HOLDERS

Taper Shanks

Cat No	Style	Drawbar
METRIC		
GFC-7470M	MT-2	M10
GFC-7441M	MT-3	M12
INCHES		
GFC-7442	MT-2	3/8" BSW
GFC-7443	MT-3	1/2" BSW
GHT-7470	R-8	7/16" UNF

A fly cutter usually has two cutting heads and it is able to cut with a constant depth to face any surface to obtain a uniform surface. Fly cutters are used in automobile industry for various facing jobs. In motor industry fly cutters are used extensively. In almost all occasions they are used for the facing.



Fly cutter Held in Chuck on Lathe Facing Aluminium Plate



47

VEE-ADAPTER

For Round Bar

Cat No	Shank	Head Diameter	Holding Capacity	Bush
GVA-9001	MT-1	50mm	Minimum-5mm Maximum-30mm	4, 6, 8, 10 & 12mm
GVA-9002	MT-2	62mm	Minimum-8mm Maximum-40mm	6, 8, 10, 12, 14 & 16mm
GVA-9003	MT-3	62mm	Minimum-8mm Maximum-40mm	6, 8, 10, 12, 14 & 16mm



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INDEXABLE END MILLS

TPKN Inserts

Cat No	No of Flutes	Shank	Head Dia	Insert	Drawbar
GIT-0100	2	R8	30	TPKN 1603	7/16" UNF
GIT-0101A	2	MT-2	25	TPKN 1103	M10
GIT-0102A	2	MT-3	30	TPKN 1603	M12
GIT-0103A	2	20mm St	25	TPKN 1103	-
GIT-0104A	2	20mm St	32	TPKN 1603	-
GIT-1010	3	MT-2	50	TPKN 1603	M10
GIT-1011	3	MT-3	50	TPKN 1603	M12
GIT-1012	3	MT-3	60	TPKN 1603	M12
GIT-1013	3	ISO30	50	TPKN 1603	M12
GIT-1014	3	ISO30	60	TPKN 1603	M12



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INDEXABLE END MILLS

APKT Inserts

Cat No	No of Flutes	Shank	Head Dia	Insert	Drawbar
GIT-1020	3	MT-2	20	APKT 100305	M10
GIT-1021	3	MT-2	25	APKT 100305	M10
GIT-1022	3	MT-3	25	APKT 100305	M12
GIT-1023	3	MT-3	40	APKT 100305	M12



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FACE MILL CUTTER

APKT Inserts

Cat No	No of Flutes	Head Dia	Height	Bore	Insert
GFM-1017	6	40mm	40mm	16mm	APKT 100305
GFM-1018	5	50mm	50mm	22mm	APMT 1604



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SAW HOLDER CIRCULAR

Cat No	Shank Dia.	Overall Length
GSH-7583M	12mm	63.5mm
GSH-7583	1/2"	2-1/2"

- Spring Load Mechanism, with hardened shank.
- Accepts saw blades from 1/2" till 1" (12/16/22/27mm).



Saw holder being vertically mounted on a milling machine

52

SAW HOLDER

Mini

Cat No	Shank Dia.	Suitable bore
GSH-7000	10mm	16mm
GSH-7001	12mm	22mm
GSH-7002	Saw Holder 10mm + 3 Pc Slitting Saw (45mm)	



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SAW HOLDERS

Taper Shank

Cat No	Style	Drawbar Thread
METRIC		
GSH-7581M	MT-2	M10
GSH-7580M	MT-3	M12
INCHES		
GSH-7582	R8	7/16 UNF
GSH-7581	MT-2	3/8"
GSH-7580	MT-3	1/2"

- Accepts saw blades from ½" till 1" (12/16/22/27mm).
- Blades are firmly secured in position with Hex Head Screw.
- Supplied in grinded plus black epoxy finish.



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STUB MILLING ARBORS

For Gear Cutters

Cat No	Shank	Suitable Bore	Drawbar
GMA-7478	MT-2	16mm	M10
GMA-7479	MT-2	22mm	M10
GMA-7480	MT-2	27mm	M10
GMA-7481	MT-2	32mm	M10
GMA-7482	MT-3	16mm	M12
GMA-7483	MT-3	22mm	M12
GMA-7484	MT-3	27mm	M12
GMA-7485	MT-3	32mm	M12
GMA-7486	MT-4	16mm	M16
GMA-7487	MT-4	22mm	M16
GMA-7488	MT-4	27mm	M16
GMA-7489	MT-4	32mm	M16



55

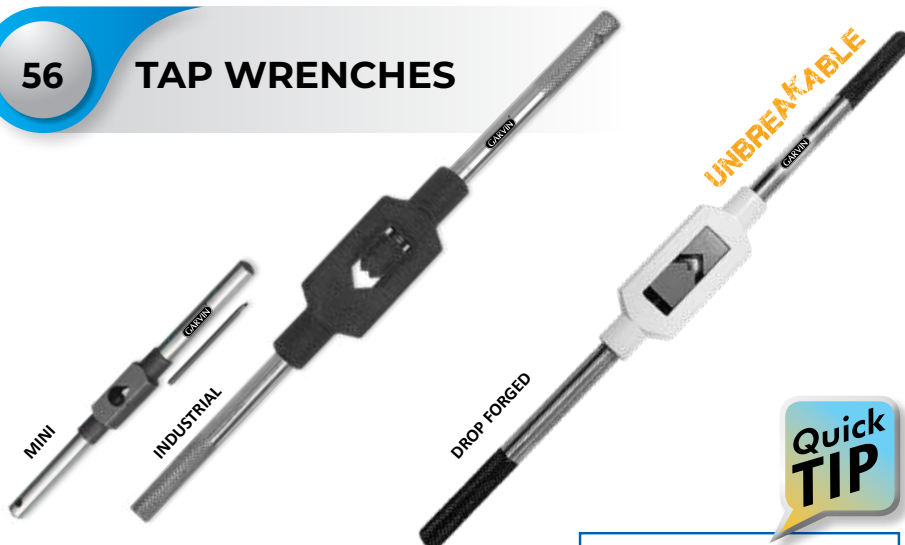
SAW & GEAR CUTTER HOLDER

Cat No	Shank	Suitable Bore	Drawbar
GSH-7565	MT-2	16mm	M10
GSH-7566	MT-2	22mm	M10
GSH-7567	MT-3	16mm	M12
GSH-7568	MT-3	22mm	M12



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TAP WRENCHES



INDUSTRIAL

- Industrial Quality Tap wrenches & Virtually Unbreakable. Rugged Steel Construction.
- Hardened Jaws for Increased resistance to wear.

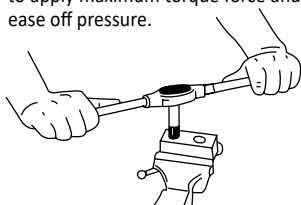
PROFESSIONAL - DROP FORGED

- Drop Forged Construction. Extra Strength & Unbreakable. Hardened Jaws for Increased resistance to wear.

MINI

- Economically priced for quick Tapping and small jobs Applications.

Hold the wrench from extreme ends to apply maximum torque force and ease off pressure.



Quick TIP

INDUSTRIAL - REGULAR

Cat No	Tap Capacity	
	Inch	mm
GTH-7671	1/16 - 1/4	M2 - M6
GTH-7672	1/16 - 3/8	M2 - M10
GTH-7673	5/32 - 1/2	M6 - M12
GTH-7674	5/32 - 3/4	M6 - M22
GTH-7675	5/16 - 1	M8 - M25
GTH-7676	3/8 - 1-1/4	M10 - M32
GTH-7677	1/2 - 1-1/2	M12 - M38

PROFESSIONAL- DROP FORGED

GTH-7678	1/16 - 1/4	M2 - M6
GTH-7679	1/16 - 3/8	M2 - M10
GTH-7680	5/32 - 1/2	M6 - M12
GTH-7681	5/32 - 3/4	M6 - M22
GTH-7682	5/16 - 1	M8 - M25
GTH-7683	5/16 - 1-1/8	M8-M28
GTH-7684	4Pc Set from 1/4" (6mm) to 3/4" (20mm)	

MINI

GTH-7663	1/4	Upto M6
GTH-7664	1/2	Upto M12

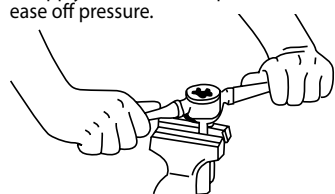
57

ROUND DIE STOCK HANDLES



- Handy Holder to hold Round dies with ground finish handles.
- 3 screw mechanism to hold dies firmly and fixed while threading.

Hold the Die Stock from extreme ends to apply maximum torque force and ease off pressure.

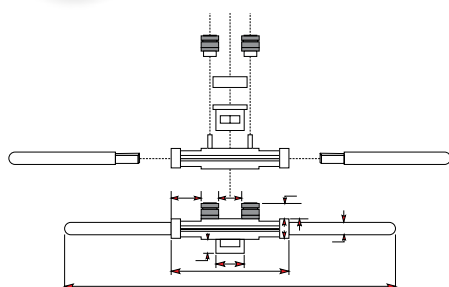


Quick TIP

Cat No	Outside Dia. of Die Inch	Length Inch
GRH-7711	5/8	5-1/2
GRH-7712	13/16	6-1/2
GRH-7713	1	8-1/2
GRH-7714	1-5/16	10
GRH-7715	1-1/2	12
GRH-7716	2	15
GRH-7717	2-1/2	19
GRH-7718	3	22
GRH-7719	3-1/2	24
GRH-7720	4	29
GRH-7721	5	33
GRH-7722	3Pc Set Consisting of 1", 1-5/16 & 1-1/2"	
GRH-7723	4PC Set consisting of 13/16", 1", 1-1/2", 2"	

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CONDUIT DIE SET



Cat No	Set Contents
GTS-4388	M20, M25
GTS-4388A	M20, M25 & M32

• Stocks & Dies made from high quality steel for longer life.

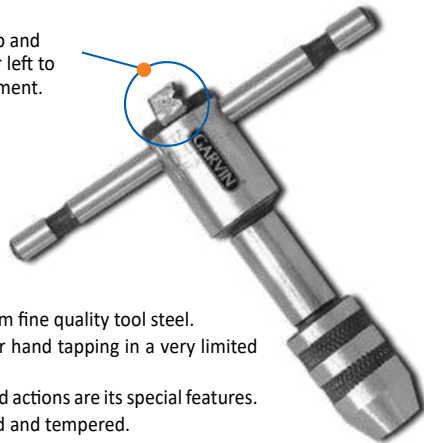
59

T - TAP WRENCHES

Ratchet Type

Cat No	Model No.	Tap Capacity Inch	Overall Length mm
GTH-7685	111R	1/16 - 5/32	75
GTH-7686	112R	5/32 - 1/4	95
GTH-7687	113R	1/4 - 1/2	114
GTH-7688	3 Pc set of 111R, 112R & 113R		

Pull the pin up and adjust right or left to control movement.



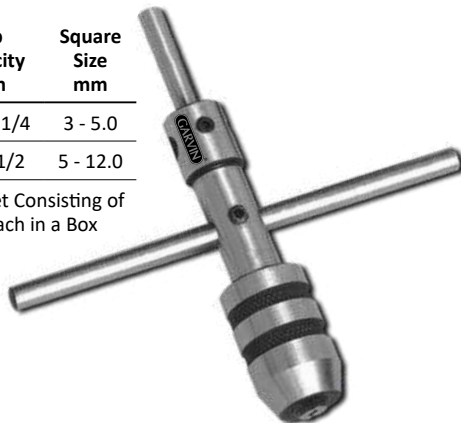
- Manufactured from fine quality tool steel.
- Ideally suitable for hand tapping in a very limited space.
- Left and Right hand actions are its special features.
- Jaws are hardened and tempered.
- Sets supplied in fine finished wooden box.

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T - TAP WRENCHES

Pilot Spindle

Cat No	Tap Capacity Inch	Square Size mm
GTH-7703	5/32 - 1/4	3 - 5.0
GTH-7704	1/4 - 1/2	5 - 12.0
GTH-7705	2 Pc Set Consisting of 1 each in a Box	



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TAP EXTENSIONS



Cat No	Length		Tap Capacity
	Inch	mm	
GTH-7707	7	180	1.5 - 6mm
GTH-7708	10-3/4	275	6 - 12mm
GTH-7709	2 PC Set consisting of 1 each in a Box.		

- Shiny Ground finish with knurled grip chuck.

60

T - TAP WRENCHES

Cat No	Model No.	Tap Capacity		O.A.L. (mm)
		Inch	mm	
SOLID JAWS				
GTH-7693	A	1/16 - 5/32"	1.6 - 4	60
GTH-7694	B	5/32 - 1/4"	4 - 6.3	70
GTH-7695	C	3/16 - 5/16"	4.5 - 8	80
GTH-7696	D	1/4 - 1/2"	6 - 12	88
GTH-7697	4Pc Set Of A/B/C/D			
GTH-7702	3Pc Set Of A/B/D			
REPLACEABLE JAWS				
GTH-7689	110A	1/16 - 5/32"	1.6 - 4	63
GTH-7690	110B	5/32 - 1/4"	4 - 6.3	75
GTH-7691	110D	1/4 - 1/2"	6 - 12	97
GTH-7692	3Pc Set of Above			



- Manufactured from Fine Quality Tool Steel.
- Ideally suitable for Hand Tapping in a very limited space.
- Hardened Jaws for Longer Life.

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TAP GUIDE - KNURLED

Cat No	Shank Dia	Point Dia
GKG-7740	1/2"	3/16"

- The Pin is hardened and is reversible for female & male centring of taps.

Start every tap straight with this tool. Hardened shank and tension pin. Adjustable tension spring. Reversible tension pin for male and female hole centring.



64

TAP GUIDE SPRING CENTERED

Cat No	Shank Dia
GSG-7739	1/2"
GSG-7741	12mm

- Points hardened upto 50-55 HRC.
- For use with drill chucks to stroke the hardened point for accurate hand tapped threads.



Tap Guide in Use

For execution, the center's body should be gripped in a drill chuck or collet, while the hardened point is inserted into the middle of the tapping handle. The stroke of the center will follow the tap, assuring straight and accurate hand tapped threads. One universal size for all tapping applications.



65

EXTENSION SLEEVES

As Per DIN 2187

Cat No	Morse Taper Hole (IN)	Morse Taper Shank (OUT)
GES-7816	1	1
GES-7817	1	2
GES-7818	1	3
GES-7819	1	4
GES-7820	1	5
GES-7821	2	1
GES-7822	2	2
GES-7823	2	3
GES-7824	2	4
GES-7825	2	5
GES-7826	3	2
GES-7827	3	3
GES-7828	3	4
GES-7829	3	5
GES-7830	4	2
GES-7831	4	3
GES-7832	4	4
GES-7833	4	5
GES-7834	4	6
GES-7835	5	3
GES-7836	5	4
GES-7837	5	5
GES-7838	5	6
GES-7839	6	6



- Manufactured from case hardened steel.
- Used for extending the taper shanks tools.
- Precision ground from both inside and outside in "A" grade.

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DRILL SLEEVES

As Per DIN 2185



- Fully Hardened & Ground.
- Body hardened to 54-58 HRC.
- Workshop Grade: Manufactured from Carbon steel and ground outside.
- To be used to adapt smaller MT Shank tools to larger machine spindles.
- The concentricity & taper angles are precisely controlled to allow perfect locking and concentric movement to the tool held.
- Acc Din 2185.

Cat No Unhardened	Cat No Hardened & Ground	Morse Taper Outside	Morse Taper Inside	Overall Length mm
GRS-7745	GRS-7759	1	2	92
GRS-7746	GRS-7760	1	3	99
GRS-7747	GRS-7761	1	4	124
GRS-7748	GRS-7762	1	5	171
GRS-7749	GRS-7763	2	3	121
GRS-7750	GRS-7764	2	4	124
GRS-7751	GRS-7765	2	5	156
GRS-7752	GRS-7766	3	4	140
GRS-7753	GRS-7767	3	5	156
GRS-7754	GRS-7768	4	5	171
GRS-7755	GRS-7769	4	6	218
GRS-7756	GRS-7770	5	6	218
GRS-7757	GRS-7771	6	2	218
GRS-7758	GRS-7772	6	3	218

66

SELF ALIGNING TAP & REAMER HOLDER

Cat No

GRH-7710

- Set Consist of Tapping Guide, Tap Holder and one jaw with Capacity 1/4" Tap and other Jaw with Capacity 1/4"-1/2" Tap.



67

SCREW-IN SPARE TANGS

Cat No	Size
GDA-7610	MT1 x M6
GDA-7611	MT2 x M10
GDA-7612	MT3 x M12
GDA-7613	MT4 x M16
GDA-7610-I	MT1 x 1/4"
GDA-7611-I	MT2 x 3/8"
GDA-7612-I	MT3 x 3/8"-16
GDA-7613-I	MT4 x 5/8"



- Converts the drawbar threaded arbor to one with a tang.

69

OPEN END SLEEVE WITH EXTRACTOR

As Per DIN 228

Cat No	Size
GOS-7766	MT1 - MT2
GOS-7763	MT3 - MT2
GOS-7765	MT4 - MT3



- Hardened & ground both internal & external.

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DRILL CHUCK ARBORS

R8 SHANK

Cat No	No.	To Fit Drill Chuck With Female Taper
GDA-7576	R8-1	1
GDA-7577	R8-2	2
GDA-7578	R8-3	3
GDA-7579	R8-4	4
GDA-7580	R8-6	6
GDA-7581	R8-33	33



71

DRILL CHUCK ARBOR

A	Cat No	Morse Taper Shank	Jacob Taper Shank
	GDA-7477	1	1
	GDA-7478	1	2
	GDA-7479	1	3
	GDA-7480	1	4
	GDA-7481	1	5
	GDA-7482	1	6
	GDA-7483	1	33
	GDA-7484	2	0
	GDA-7485	2	1
	GDA-7486	2	2
	GDA-7487	2	3
	GDA-7488	2	4
	GDA-7489	2	5
	GDA-7490	2	6
	GDA-7491	2	33
	GDA-7492	3	1
	GDA-7493	3	2
	GDA-7494	3	3
	GDA-7495	3	4
	GDA-7496	3	5
	GDA-7497	3	6
	GDA-7498	3	33
	GDA-7499	4	2
	GDA-7500	4	3
	GDA-7501	4	4
	GDA-7502	4	5
	GDA-7503	4	6
	GDA-7504	4	33
	GDA-7505	5	2
	GDA-7506	5	3
	GDA-7507	5	4
	GDA-7508	5	5
	GDA-7509	5	6
	GDA-7510	5	33

B Taper Shank Acc DIN - 238

Cat No	Drill Chuck Taper	Taper Shank Morse Taper
GDA-7511	B 10	1
GDA-7512	B 12	1
GDA-7513	B 12	2
GDA-7514	B 12	3
GDA-7515	B 16	1
GDA-7516	B 16	2
GDA-7517	B 16	3
GDA-7518	B 16	4
GDA-7519	B 18	1
GDA-7520	B 18	2
GDA-7521	B 18	3
GDA-7522	B 18	4
GDA-7523	B 22	2
GDA-7524	B 22	3
GDA-7525	B 22	4



72

EXPANDING ARBOR

8Pc Set

Cat No	Included Size
GEA-0627	6, 10, 12, 16, 19, 22, 25 & 32mm
GEA-0628	1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1-1/4"



- Chuck the shank of the expanding mandrel in a collet, jaw chuck, or fixture.
- With an Allen Key tighten the hex draw bolt until it expands.
- Then machine the slotted Part larger than bore of part.
- Loosen hex draw bolt, position part, tighten draw screw. The part is now chucked and ready for machining.
- Can be used with standard collets, vices, jaw chucks and many other special fixtures.
- Multiple expanding mandrels are also used in other special fixtures for holding multiple work pieces 'side by side'.

73

BLANK ARBORS

Cat No	Morse Taper Size	Blank End Size
GBA-7572	MT-1	22 x 30mm
GBA-7573	MT-2	28 x 30mm
GBA-7573A	MT-2	22 x 30mm
GBA-7574	MT-3	28 x 28mm
GBA-7575	MT-4	32 x 42mm



74

MORSE TAPER ADAPTORS

R8 Shank



Cat No	Outside Taper	Inside Taper
GMA-7840	R8	MT-2
GMA-7841	R8	MT-3

75

FLOATING ROUND DIE HOLDER



Cat No	Outside Dia. of Die		Shank Diameter		Body Dia.	
	Inch	mm	Inch	mm	Inch	mm
GFH-7728	13/16	20	1/2	12.7	1-1/2	38
GFH-7729	1	25	1/2	12.7	1-1/2	38
GFH-7730	1-1/2	38	3/4	19	2	51
GFH-7730A	3 Pc Set of above					

76

TAIL STOCK DIE HOLDER SET



- This Tailstock Die Holder Set Include tapered Shank & 4 sizes of Die Holders completely interchangeable.
- Metric Size Die Holders Available on request.

METRIC

Cat No	Morse Taper	Die Holder Included
GDH-0016	MT-1	20 & 25mm
GDH-0017	MT-2	20, 25, 30 & 38mm
GDH-0018	MT-3	20, 25, 30 & 38mm

IMPERIAL

Cat No	Morse Taper	Die Holder Included
GDH-0008	MT-1	13/16", 1"
GDH-0009	MT-2	13/16", 1", 1-5/16" & 1-1/2"
GDH-0010	MT-3	13/16", 1", 1-5/16" & 1-1/2"

78

TAIL STOCK DIE HOLDER SET

Cat No	Size
GDH-018D	Metric
GDH-018I	Imperial



- Double Ended Die Holder For 13/16" (20mm) & 1" (25mm) Circular Dies.
- MT-2 Shank.
- Guide Pin For Torque For Larger Threaded Sizes.
- Aluminium Die Holder Body.
- Hardened & Grounded Shank.

80

DIE HOLDER STRAIGHT SHANK

Cat No	Shank Size	Die Capacity
GDH-0011	10mm	25mm

- This Die Holder Include a straight shank for hand operations as well as for machines.
- Knurling is provided on the outer body of the holder to ease the operation by hands.



77

TAIL STOCK DIE HOLDER SET



METRIC

Cat No	Morse Taper	Die Holder Included
GDH-0014	MT-2	20, 25, 30 & 38mm
GDH-0015	MT-3	20, 25, 30 & 38mm

IMPERIAL

Cat No	Morse Taper	Die Holder Included
GDH-0006	MT-2	13/16", 1", 1-5/16" & 1-1/2"
GDH-0007	MT-3	13/16", 1", 1-5/16" & 1-1/2"

- This Tail stock Die Holder Set Include tapered Shank & 4 sizes of Die Holders, completely interchangeable to fit tapered shank with the help of a pin which allows about 1-1/2" travel.
- Also included is a pin punch to knock the pin out.
- Metric Size Die Holders Available on request.

79

TAIL STOCK DIE HOLDER SET

Cat No	Size
GDH-016D	Metric
GDH-016I	Imperial



- 2 Cartridges For 16mm & 20mm Circular Dies.
- 3 Collets For 25mm, 30mm & 38mm Circular Dies.
- MT-2 Shank + MT 3-2 Drill Sleeve.
- 1 x Suitable Ejecting Drill Drift.
- 1 x Suitable Pin Punch.

81

LATHE TAIL STOCK TAP & DIE HOLDER Set of 7Pcs

Cat No	Size
GDH-0025	MT-2
GDH-0026	MT-3



- Die Holder size: 13/16", 1" & 1-1/2".
- Tap Holder size 1/4" & 1/2".

82

LATHE CENTERS

As Per DIN 806



- Solid Construction with no moving parts and fully hardened.
- Tip hardened to 60-63 HRC and included angle at tip is 60 Degree.
- Hardened High Speed centers ensure long life.
- Carbide tipped centers give longer tool life & require less grinding.
- Covers widest range of center hole sizes.
- Eliminates special centers.
- Point Angle - 60.

FULL

Cat No Carbon Steel	Cat No Carbide Tipped	Morse Taper	Overall Length	
			Inch	mm
GDC-7842	GDC-7849	MT-0	2-7/8"	73
GDC-7843	GDC-7850	MT-1	3-5/16"	84
GDC-7844	GDC-7851	MT-2	4-3/16"	104
GDC-7845	GDC-7852	MT-3	5-1/4"	133
GDC-7846	GDC-7853	MT-4	6-1/2"	165
GDC-7847	GDC-7854	MT-5	8"	203
GDC-7848	GDC-7855	MT-6	10-5/8"	270

HALF

Cat No Carbon Steel	Cat No Carbide Tipped	Morse Taper	Overall Length	
			Inch	mm
GDC-7863	GDC-7873	MT-1	3-5/16"	84
GDC-7864	GDC-7874	MT-2	4-3/16"	104
GDC-7865	GDC-7875	MT-3	5-1/4"	133
GDC-7866	GDC-7876	MT-4	6-1/2"	165
GDC-7867	GDC-7877	MT-5	8"	203

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REVOLVING CENTER



Cat No	Morse Taper	Body Diameter		Point Diameter		Overall Length	
		Inch	mm	Inch	mm	Inch	mm
GRC-7878	MT - 1	1-5/16	34	11/16	18	4-3/4	120
GRC-7879	MT - 2	1-37/64	40	27/32	21	5-7/8	148
GRC-7880	MT - 3	2-5/16	60	15/16	24	7-1/4	185
GRC-7881	MT - 4	2-1/2	63	1-1/8	28	8-5/8	220
GRC-7882	MT - 5	3	75	1-1/2	36	10-1/4	260
GRC-7883	MT - 6	4	100	2-1/8	53	14	355

- Manufactured from high grade steel hardened point to impart extra strength.
- These have single row bearings & Taper rolling to take up radial load and thrust bearings to absorb axial loads.
- Recommended for applications upto a maximum of 2000rpm.

83

BEVEL REVOLVING PIPE CENTERS



- Machining Pipes And Similar Hollow Shaft Materials With a High Thrust Capacity.
- Bevel Section Is Ground After assembly Running In Its Own Bearing.
- Designed to hold hollow & pipe Works.
- Manufactured from heat treated high carbon Alloy steel.

Cat No	Morse Taper	Capacity (mm)	
	Shank	Minimum	Maximum
GRC-7890	MT-2	19	80
GRC-7894	MT-2	26	50
GRC-7895	MT-2	38	75
GRC-7891	MT-3	20	95
GRC-7896	MT-3	26	50
GRC-7897	MT-3	38	75
GRC-7898	MT-3	34	100
GRC-7892	MT-4	29	125
GRC-7899	MT-4	26	50
GRC-7900	MT-4	38	75
GRC-7901	MT-4	51	88
GRC-7902	MT-4	64	100
GRC-7903	MT-4	76	150
GRC-7893	MT-5	32	150
GRC-7904	MT-5	51	88
GRC-7905	MT-5	64	100
GRC-7906	MT-5	76	150
GRC-7907	MT-6	64	100
GRC-7908	MT-6	76	150
GRC-7909	MT-6	102	200

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MINI LIVE CENTERS

Slim Body

Cat No	Morse Taper	Body Dia.	O.A.L.
GRC-7886	MT-0	23mm	90mm
GRC-7887	MT-1	23mm	90mm

- Body is constructed from case hardened steel.
- Eccentricity between 5-10 μ
- #7887 is suitable For Emco Compact 5 Lathe & Similar Sized mini Lathes.



86

LIVE TAILSTOCK



Cat No Without Chuck	Cat No With Chuck	Morse Taper	Mounting Thread	Body Diameter	
				Inch	mm
GLT-7887	GLT-7887C	MT - 1	M14	1-5/16	34
GLT-7888	GLT-7888C	MT - 2	M14	2	50
GLT-7889	GLT-7889C	MT - 3	M14	2-5/16	60
GLT-7890	GLT-7890C	MT - 4	M14	2-1/2	63

- Manufactured from high grade steel hardened point to impart extra strength.
- These have single row bearings & Taper rolling to take up radial load and thrust bearings to absorb axial loads.
- 3 Jaw self centring 50mm Lathe Chuck.

87

REVOLVING CENTER

Multi Points 7 Tips

Cat No	Morse Taper
GRC-0021	MT-1
GRC-0022	MT-2
GRC-0023	MT-3
GRC-0024	MT-4

- Set Contents - 5 Diff. live centers, 1 Pipe Center, 1 Female Center & 1 Ejecting Key.
- Assembled with three bearings.
- Eccentricity between .005 - .010 μ
- Body is constructed from hardened and ground steel.
- Widely used by Modelmakers & Woodworkers on mini lathes.



88

TEST BARS / TEST MANDRELS

Cat No	Morse Taper	O.A.L
GTB-0011	MT-1	151mm (6")
GTB-0022	MT-2	283mm (11.1/8")
GTB-0033	MT-3	335mm (13.3/16")
GTB-0044	MT-4	386mm (15.1/4")
GTB-0055	MT-5	442mm (17.1/2")

- Hardened and ground.
- Parallel and centered at body ends.
- Fits between headstock and tailstock.



89

QUICK CHANGE TOOLPOST

5Pc Set

Cat No	Block Dimension l x w x h	Mounting Bore	Contents
GTP-T37	60x60x37mm	7/16" (11.2mm)	1 x Mounting Block 2 x Standard Holders 1 x Parting Holder 1 x Boring Holder 1 x Parting Blade

- Manufactured from hardened Alloy Steel and precision ground surface.
- Set supplied with suitable parting blade and spanner.



SPARE HOLDERS



Standard Holder

Cat No	Capacity
GTP-S37	12mm



Boring Holder

Cat No	Capacity
GTP-B37	12mm



Parting Holder

Cat No	Capacity
GTP-P37	For 3/32x1/2" Blade (12.7mm)



Standard Holder Extended

Cat No	Capacity
GTP-E37	Capacity 12mm, O.A.L. 3-1/2"

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QUICK CHANGE TOOLPOST 5Pc Set

Cat No	Block Dimension l x w x h	Mounting Bore	Contents
GTP-T51	75x75x51mm	19mm	1 x Mounting Block
GTP-T63	75x75x63mm	19mm	2 x Standard Holders 1 x Parting Holder 1 x Boring Holder 1 x Parting Blade



SPARE HOLDERS



STANDARD HOLDER

Cat No	Capacity	Suitable For
GTP-S51	16mm	GTP-T51
GTP-S63	22mm	GTP-T63



BORING HOLDER

Cat No	Capacity	Suitable For
GTP-B51	16mm	GTP-T51
GTP-B63	22mm	GTP-T63



PARTING HOLDER

Cat No	Capacity	Suitable For
GTP-P51	1/8 X 3/4"	GTP-T51
GTP-P63	1/8 X 3/4"	GTP-T63

91

QUICK CHANGE TOOLPOST 3Pc Set

Cat No	Block Dimension l x w x h	Mounting Bore	Contents
GTP-T2	97x97x72mm	25mm	1 x Mounting Block 2 x Standard Holders



SPARE HOLDERS

STANDARD HOLDER

Cat No

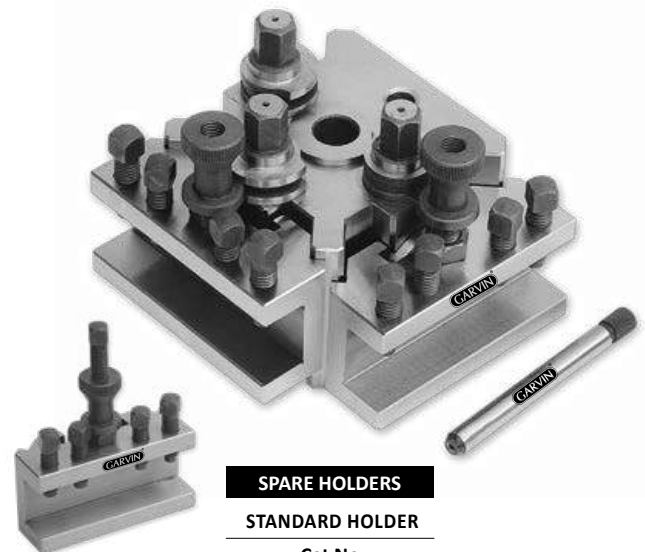
GTP-ST2

Capacity 29mm

92

QUICK CHANGE TOOLPOST 3Pc Set

Cat No	Block Dimension l x w x h	Mounting Bore	Contents
GTP-T3	125x125x95mm	25mm	1 x Mounting Block 1 x Standard Holders 1 x Boring Holder



SPARE HOLDERS

STANDARD HOLDER

Cat No

GTP-ST3

Capacity 35mm

93

QUICK CHANGE TOOLPOST 4Pc Set



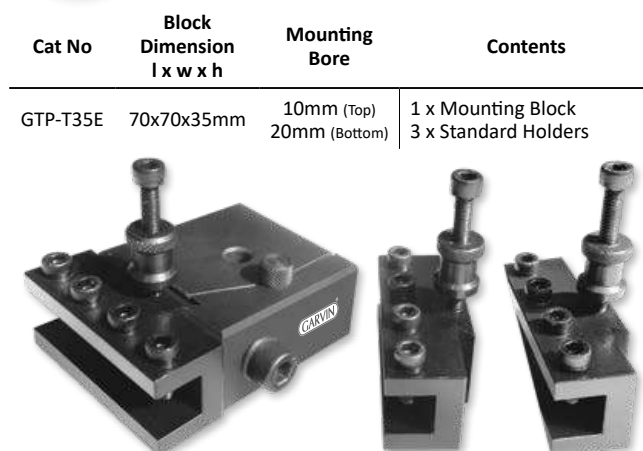
Cat No	Block Dimension l x w x h	Mounting Bore	Contents
GTP-T30	60x50x30mm	10mm	1 x Mounting Block 3 x Vee Holders
GTP-T48	67x67x50mm	11mm (Top) 16mm (Bottom)	1 x Mounting Block 3 x Vee Holders

SPARE HOLDERS

STANDARD HOLDER		STANDARD HOLDER	
Cat No	Capacity	Cat No	Capacity
GTP-S48	20mm	GTP-S30	10mm

94

QUICK CHANGE TOOLPOST 4Pc Set



Cat No	Block Dimension l x w x h	Mounting Bore	Contents
GTP-T35E	70x70x35mm	10mm (Top) 20mm (Bottom)	1 x Mounting Block 3 x Standard Holders

SPARE HOLDERS

STANDARD HOLDER

Cat No

GTP-S35E16
Capacity 16mm

95

QUICK CHANGE TOOLPOST 5Pc Set

Cat No	Block Dimension l x w x h	Mounting Bore	Contents
GTP-T30E	60x55x30mm	10mm (Top) 8mm (Bottom)	1 x Mounting Block 3 x Standard Holders 12mm 1 x Standard Holders 24mm



SPARE HOLDERS

STANDARD HOLDER		STANDARD HOLDER	
Cat No	Capacity	Cat No	Capacity
GTP-S30E	Capacity 12mm	GTP-S30E24	Capacity 24mm

96

QUICK CHANGE TOOLPOST 3Pc Set

Cat No	Block Dimension l x w x h	Mounting Bore	Contents
GTP-T34	34x34x43mm	1/4" (6mm)	1 x Mounting Block 2 x Standard Holders

- Suitable for Unimat 3, Unimat 4 & similar sized lathes.



SPARE HOLDERS

STANDARD HOLDER
Cat No
GTP-S34
Capacity 13mm

SPARE TURNING HOLDER

Cat No

GTP-A34A
Capacity 10mm
Holder Bore 6mm
T Nut Size 12mm

97

QUICK CHANGE TOOLPOST SET - MULTI FIX 40 Position - 5 Pc Set

Cat No	Model No.	Block Height	Mounting Bore	For Lathe Swing	Set Includes the following
GTP-A0	A0	33mm	20mm (10.2mm)	120-200 mm	1 x Main Block 3 x Turning and Facing Holders (Standard) 1 x Boring Holder (V)
GTP-A1	A1	54mm	13mm (6mm)	150-300 mm	1 x Main Block 3 x Turning and Facing Holders (Standard) 1 x Boring Holder (V)
GTP-AE	AE	70mm	20mm (10.2mm)	200-400 mm	1 x Main Block 3 x Turning and Facing Holders (Standard) 1 x Boring Holder (V)



SPARE HOLDERS

STANDARD HOLDER FOR A0	STANDARD HOLDER FOR A1	STANDARD HOLDER FOR AE	BORING HOLDER FOR A0	BORING HOLDER FOR A1	BORING HOLDER FOR AE
Cat No	Cat No	Cat No	Cat No	Cat No	Cat No
GTP-A0D	GTP-A1D	GTP-AED	GTP-A0B	GTP-A1B	GTP-AEB
Capacity 12mm	Capacity 20mm	Capacity 20mm	Capacity 12mm	Capacity 20mm	Capacity 30mm

98

QUICK CHANGE TOOLPOST - WEDGE TYPE

Cat No	Model No.	Block Size	For Lathe Swing	Set Includes the following
GTP-2010	OXA	1.75" x 1.75" x 2.5"	6" - 9" (150-230mm)	1 x Main Block 2 x Turning and Facing Holder (Standard) 1 x Boring Holder (O) 1/2" or 3/8" 1 x Boring Holder (V) 13mm 1 x Cut-off Holder 1/2"
GTP-2011	AXA	2.5" x 2.5" x 3.5"	7" - 12" (180-300mm)	1 x Main Block 1 x Turning and Facing Holder (Standard) 1 x Boring Holder (O) 5/8" or 3/4" 1 x Boring Holder (V) 14mm 1 x Cut-off Holder 1/2" 1 x Knurling Holder



SPARE HOLDERS

STANDARD HOLDER FOR OXA	STANDARD HOLDER FOR AXA
Cat No	Cat No
GTP-S0XA	GTP-SAXA
Capacity 13mm	Capacity 15mm

99

MINI QUICK CHANGE TOOLPOST SET

Aluminium

Cat No	Model No.	Block Size	Bore	For Lathe Size	Set Includes the following
GTP-T40	T40	45mm x 45mm x 58mm	8mm & 10mm	7" x 10" 7" x 12" 7" x 14" 7" x 16" 9" x 16"	1 x Main Block 2 x Turning and Facing Holder (Standard) 1 x Boring Holder (O) 3/8" (9.5mm) 1 x Cut-off Holder 1/2"

SPARE HOLDERS

STANDARD HOLDER FOR T40

Cat No

GTP-S40R

Capacity 12mm



100

DRIVE PIN PUNCHES HEXAGON

Cat No	OAL		Diameter	
	Inch	mm	Inch	mm
GDP-0463	6	150	1/16	1.5
GDP-0464	6	150	1/8	3
GDP-0465	6	150	5/32	4
GDP-0466	6	150	3/16	5
GDP-0467	6	150	1/4	6
GDP-0468	6	150	5/16	8
GDP-0462	6	150	6 PC Set of above	

- Manufactured from Chrome vanadium steel.
- Hardened and tempered.
- Supplied in yellow powder coated finish.
- Hexagon body for firm grip.



101

ROLL PIN PUNCH

9 Pc Set

Cat No

GRP-0460

- Sizes include: 1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4" & 5/16".
- Hemispherical recessed roll pins.
- Extended shaft.
- Knurled Grip Handles.
- Hardened & Ground.
- Used by Gunsmith, Jewelers & Automotive Industries.



102

DRIVE PIN PUNCHES SHORT

- Manufactured from fine tool steel.
- Hardened and tempered.
- Supplied in black Oxidized finish.
- Knurled body.



Cat No	OAL		Diameter	
	Inch	mm	Inch	mm
GDP-0416	4	100	1/16	1.6
GDP-0417	4	100	3/32	2.4
GDP-0418	4	100	1/8	3.2
GDP-0419	4	100	5/32	4.0
GDP-0420	4	100	3/16	4.8
GDP-0421	4	100	7/32	5.5
GDP-0422	4	100	1/4	6.4
GDP-0423	4	100	5/16	8.0
GDP-0424	4	100	8 PC Set of above sizes in vinyl pouch	

104

CENTER PUNCHES SQUARE HEAD

- Manufactured from fine Tool steel.
- Hardened and tempered.
- Knurled body with Black oxidized finish.
- Square head at striking point prevents rolling.



Cat No	Diameter of Taper		OAL		Square size	
	Inch	mm	Inch	mm	Inch	mm
GCP-0432	1/16	1.6	4	100	3/8	9.5
GCP-0433	5/64	2.0	4	100	3/8	9.5
GCP-0434	3/32	2.4	4	100	3/8	9.5
GCP-0435	9/64	3.6	4	100	3/8	9.5
GCP-0436	5/32	4.0	4	100	3/8	9.5
GCP-0437	1/8	3.2	4	100	3/8	9.5
GCP-0438	3/16	4.8	4-1/2	115	7/16	11.0
GCP-0439	1/4	6.3	5	125	9/16	14.0
GCP-0440	5 Pc set of 1/16 - 5/32 in vinyl pouch					

106

AUTOMATIC CENTER PUNCHES



Cat No	Description	Size		
		Inch	mm	
GAP-0488	Black	5	125	• Sturdy & handy knurled body. • Spring Loaded mechanism so that no hammer required . to operate punch. • No hammer is required for operating punch. • Hardened & ground pin.
GAP-0489	Brass Body	5	125	
GAP-0490	Ball Head	5	125	
GAP-0484	Heavy Duty	6	150	

103

DRIVE PIN PUNCHES LONG

- Manufactured from fine tool steel.
- Hardened and tempered.
- Supplied in black Oxidized finish.
- Knurled body & Grounded Pins.



Cat No	OAL		Diameter	
	Inch	mm	Inch	mm
GLP-0425	8	200	1/8	3.2
GLP-0426	8	200	5/32	4.0
GLP-0427	8	200	3/16	4.8
GLP-0428	8	200	1/4	6.3
GLP-0429	8	200	5/16	8.0
GLP-0430	8	200	3/8	9.5
GLP-0431	8	200	5 pc Set of 1/8 3/8 in vinyl pouch, 5/32 size is not included.	

105

CENTER PUNCHES ROUND HEAD

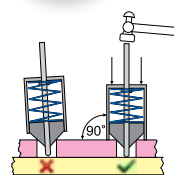
- Manufactured from fine Tool steel.
- Hardened and tempered.
- Knurled body with black oxidized finish.



Cat No	Diameter of Taper		OAL	
	Inch	mm	Inch	mm
GCP-0441	1/16	1.6	3	75
GCP-0442	5/64	2.0	4	100
GCP-0443	3/32	2.4	4	100
GCP-0444	9/64	3.6	4	100
GCP-0445	5/32	4.0	4	100
GCP-0446	5/16	8.0	4	100
GCP-0447	1/8	3.2	4	100
GCP-0448	11/64	4.4	4	100
GCP-0449	3/16	4.8	4-1/2	115
GCP-0450	1/4	6.3	5	125
GCP-0451	3/8	9.5	6	150
GCP-0452	5 Pc set of 1/16 - 5/32 in vinyl pouch			

107

UNIVERSAL TRANSFER & ALIGNER PUNCH



Cat No	Range		
	Inch	mm	
GUP-0486	3/16 to 5/8	5 to 15	• Pin is grounded. • Ideal for toolmakers, machinists, machine & model engineers.
GUP-0487	3/16 to 1-3/16	5 to 30	

108

DRIVE PIN PUNCHES BRASS

- Manufactured from finest quality solid brass
- 5/16" hex stock.
- Can also be supplied separately.
- Ideal when working in no spark situation.



Cat No	OAL		Size of Tip	
	Inch	mm	Inch	mm
GBP-0492	3-1/2	90	1/16	1.6
GBP-0493	3-1/2	90	3/32	2.4
GBP-0494	3-1/2	90	1/8	3.2
GBP-0495	3-1/2	90	5/32	4.0
GBP-0496	3-1/2	90	3/16	4.8
GBP-0497	3-1/2	90	7/32	5.5
GBP-0498	3-1/2	90	1/4	6.4
GBP-0499	3-1/2	90	5/16	8.0
GBP-0500	3-1/2	90	8 Pc Set of above in vinyl pouch	

109

NAIL PUNCHES ROUND HEAD

- Manufactured from fine series tool steel.
- Hardened and tempered.
- Knurled body with black oxidized finish.



Cat No	Size of Tip		Length		Body dia.	
	Inch	mm	Inch	mm	Inch	mm
GNP-0461	1/16	1.6	4	100	3/8	9.5
GNP-0462	3/32	2.4	4	100	3/8	9.5
GNP-0463	1/8	3.2	4	100	3/8	9.5
GNP-0464	5/32	4.0	4	100	3/8	9.5
GNP-0465	3/16	4.8	4	100	3/8	9.5
GNP-0466	1/32	0.8	4	100	3/8	9.5
GNP-0467	3/16	4.8	4-1/2	115	3/8	9.5
GNP-0468	1/4	6.3	5	125	7/16	11.0
GNP-0469	5 Pc Set of 1/16 - 3/16 (4") in vinyl pouch					

110

NAIL PUNCHES SQUARE HEAD

Cat No	Size of Tip		Length		Square size	
	Inch	mm	Inch	mm	Inch	mm
GNP-0453	1/16	1.6	4	100	3/8	9.5
GNP-0454	3/32	2.4	4	100	3/8	9.5
GNP-0455	1/8	3.2	4	100	3/8	9.5
GNP-0456	5/32	4.0	4	100	3/8	9.5
GNP-0457	3/16	4.8	4	100	3/8	9.5
GNP-0460	5 Pc set of 1/16 - 3/16 in vinyl pouch					
GNP-0458	5/64	2.0	4	100	3/8	9.5
GNP-0459	3/16	4.8	4-1/2	115	3/8	9.5

- Manufactured from fine Tool steel.
- Hardened and tempered.
- Knurled body with black oxidized finish.
- Square head at striking point prevents rolling.



111

LETTER & FIGURE PUNCH SETS

Cat No Letter Stamp set of 27 Sticks	Cat No Figure Stamp set of 9 Sticks	Cat No Combination of Letter & Number Sets 36 Sticks	Size	
			Inch	mm
GLF-0567	GLF-0576	GLF-0585	1/16	1.6
GLF-0568	GLF-0577	GLF-0586	3/32	2.4
GLF-0569	GLF-0578	GLF-0587	1/8	3.2
GLF-0570	GLF-0579	GLF-0588	5/32	4.0
GLF-0571	GLF-0580	GLF-0589	3/16	4.8
GLF-0572	GLF-0581	GLF-0590	1/4	6.3
GLF-0573	GLF-0582	GLF-0591	5/16	8.0
GLF-0574	GLF-0583	GLF-0592	3/8	9.5
GLF-0575	GLF-0584	GLF-0593	1/2	12.7

- Manufactured from carbon steel.
- Letter Set consists of 27 sticks (A to Z).
- Number Set consists of 9 sticks.
- (0 - 8 and 6 is inverted to be used as 9).
- Combination Set consists of 36 sticks (27 + 9).
- Supplied in moulded plastic case.



112

BELL PUNCH CENTER FINDER

Cat. No.	Capacity
GCF-7006	Up to 35mm

- Bell Punch Easily locates and allows center punching of ends on round stock of up to 35mm.
- Hardened to 48-52 HRC
- A Very Handy Tool if required precise Drilling on Round Bar.



USAGE



114

COMBINATION PIN PUNCH SET 13 Pc



Cat No

GPS-0506

- Set consists of 8 pc 1/16" - 5/16" (4"/100mm) & 5 pc 1/8", 3/16", 1/4", 5/16" & 3/8" (8"/200mm) drive pin punch.
- Supplied in vinyl pouch.

115

UTILITY PUNCH SET 13 Pc



Cat No

GPS-0507

- Set consists of 8 pc 1/16" 5/16" (4"/100mm) drive pin punch & 5 pc 1/16" - 5/32".
- (4"/100mm) long center punch round head.
- Supplied in vinyl pouch.

113

ARC PUNCHES

Cat No	Size Inches	Size Metric	Cat No	Size Inches	Size Metric
GLP-0005	3/16	5	GLP-0042	1.21/32	42
GLP-0006	1/4	6	GLP-0043	1.11/16	43
GLP-0008	5/16	8	GLP-0044	1.23/32	44
GLP-0010	3/8	10	GLP-0045	1.25/32	45
GLP-0011	7/16	11	GLP-0046	1.13/16	46
GLP-0012	1/2	12	GLP-0047	1.27/32	47
GLP-0014	9/16	14	GLP-0048	1.7/8	48
GLP-0016	5/8	16	GLP-0049	1.15/16	49
GLP-0018	23/32	18	GLP-0050	2	50
GLP-0019	3/4	19	GLP-0052	2.5/64	52
GLP-0021	27/32	21	GLP-0054	2.5/32	54
GLP-0022	7/8	22	GLP-0055	2.3/16	55
GLP-0024	15/16	24	GLP-0057	2.9/32	57
GLP-0025	1	25	GLP-0058	2.19/64	58
GLP-0026	1.1/64	26	GLP-0060	2.3/8	60
GLP-0027	1.1/16	27	GLP-0062	2.15/32	62
GLP-0028	1.3/32	28	GLP-0063	2.1/2	63
GLP-0029	1.1/8	29	GLP-0065	2.9/16	65
GLP-0030	1.3/16	30	GLP-0067	2.21/32	67
GLP-0031	1.7/32	31	GLP-0068	2.11/16	68
GLP-0032	1.1/4	32	GLP-0070	2.3/4	70
GLP-0033	1.5/16	33	GLP-005A	5 Pc Set (6, 10, 12, 16 & 19mm)	
GLP-0034	1.11/32	34	GLP-007A	7 Pc Set (6, 10, 12, 16, 19, 22 & 25mm)	
GLP-0035	1.3/8	35	GLP-007B	7 Pc Set (5, 8, 11, 14, 18, 21 & 24 mm)	
GLP-0036	1.13/32	36	GLP-010A	10 Pc Set (6, 8, 10, 11, 13, 14, 16, 19, 22 & 25mm)	
GLP-0037	1.15/32	37			
GLP-0038	1.1/2	38			
GLP-0039	1.17/32	39			
GLP-0040	1.9/16	40			
GLP-0041	1.5/8	41			



116

INTERCHANGEABLE HOLLOW PUNCH SET OF 10 PC 2-10mm



Cat No

GHP-0942

- Punches made from high grade Alloy Steel.
- Each Punch is hardened, tempered & grounded to fine cutting edge for sharpness & durability.
- Handle id knurled for firm grip & safety.
- Punch body is grooved for quick & easy change.
- Ideal for punches clean & precise holes on leather, felt rubber & all soft material.

119

HOLLOW PUNCHES



Cat No	Size Inches	Cat No	Size Metric
GLP-0510	1/32	GLP-0535	2
GLP-0511	1/16	GLP-0536	3
GLP-0512	3/32	GLP-0537	4
GLP-0513	1/8	GLP-0538	5
GLP-0514	5/32	GLP-0539	6
GLP-0515	3/16	GLP-0540	7
GLP-0516	7/32	GLP-0541	8
GLP-0517	1/4	GLP-0542	9
GLP-0518	9/32	GLP-0543	10
GLP-0519	5/16	GLP-0544	11
GLP-0520	3/8	GLP-0545	12
GLP-0521	11/16	GLP-0546	13
GLP-0522	3/4	GLP-0547	14
GLP-0523	13/16	GLP-0548	15
GLP-0524	7/8	GLP-0549	16
GLP-0525	15/16	GLP-0550	17
GLP-0526	1	GLP-0551	18
GLP-0527	1-1/16	GLP-0552	19
GLP-0528	1-1/8	GLP-0553	20
GLP-0529	1-3/16	GLP-0554	21
GLP-0530	1-1/4	GLP-0556	22
GLP-0531	1-5/16	GLP-0557	23
GLP-0532	1-3/8	GLP-0558	24
GLP-0533	1-7/16	GLP-0559	25
GLP-0534	1-1/2	GLP-0560	26
		GLP-0561	28
		GLP-0562	30
		GLP-0563	32
		GLP-0564	34
		GLP-0565	36
		GLP-0566	38
GLP-S0567	4 - 20mm (12 Pc set)		
GLP-S0566	4 - 24mm (12 Pc set)		
GLP-S0568	4 - 32mm (12 Pc set)		

- Manufactured from hardened & tempered carbon steel.
- Used for punching making holes in leather, plastic etc.
- Heavy grip knurled body.
- Inside taper for clearance.

117

GROMMET SETTING DIES



Cat No For Eyelet Size

232281 10mm

232282 13mm

232283 16mm

232284 19mm

- Manufactured from solid steel for inserting sheet brass washer & teeth grommets.
- Useful tool for setting up eyelets.

118

PUNCHING TABLE 6-38mm



Cat No Punch Size Included

613056 6, 7, 8, 9, 10, 11, 12, 13, 16, 19, 22, 25, 28, 32, 35 & 38mm

- Light weight only Approx 12 Kg., easy to handle. Can be easily used on any workbench.
- Can punch gaskets washers, shims out of asbestos, rubber, Fiber, Oil paper, Brass, Copper, Aluminum and most thin metal sheets.
- All punches are hardened and tempered for maximum life, punching table also hardened.
- Punches can be re-sharpened b simple grinding to retain cutting edge.

120

WAD PUNCH KIT



Cat No Size Range Size Included

GWP-0320 3 - 20mm 3, 4, 6, 8, 10, 12, 14, 16, 18 & 20mm

GWP-0060 3 - 30mm 3, 4, 6, 8, 10, 12, 14, 16, 18, 20, 24, 26, 28 & 30mm

GWP-0322 3 - 40mm 3, 4, 6, 8, 10, 12, 14, 16, 18, 20, 24, 26, 28, 30, 32, 34, 36, 38, & 40mm

HANDLE

- Solid drop-forged steel, hardened for heavy hammer impact Bright Nickel-plated knurled body for firm grip & comfort.
- Accommodates 2 Punches to make washers, gaskets & punched holes on materials such as felt, rubber, fibre, leather, plastics & corks etc.

PUNCH HEAD

- Precision-made high grade alloy steel & fine grounded to sharp cutting edge.
- Innovative 'twist-&-lock' system allow quick change of the Punch Head safety & prevents accidental misfits.

121

WAD PUNCH KIT



Cat No	Size Range	Size Included
GWP-3000	5 - 32mm	5, 6, 8, 10, 12.5, 16, 20, 25 & 32mm

- Made from High grade Alloy Steel.
- Handle is forged & fully heat-treated & hardened to take heavy hammer impact.
- The Pin on handle is spring loaded to eject slug & allow holes to be accurately centered.
- Each punch is grounded to fine cutting edge, specially hardened & tempered for sharpness & durability.
- Perfect for punching holes in leather, felt, rubber, fiber, plastic & corks etc.

123

LATHE DOGS

Cat No Straight Type	Cat No Bent type	Capacity	
		Inch	mm
GLC-7910	GLC-7922	1/2	12
GLC-7911	GLC-7923	3/4	20
GLC-7912	GLC-7924	1	25
GLC-7913	GLC-7925	1-1/4	30
GLC-7914	GLC-7926	1-1/2	38
GLC-7915	GLC-7927	1-3/4	45
GLC-7916	GLC-7928	2	50
GLC-7917	GLC-7929	2-1/2	65
GLC-7918	GLC-7930	3	75
GLC-7919	GLC-7931	4	100
GLC-7920	GLC-7932	5	125
GLC-7921	GLC-7933	6	150

- Manufactured from High tensile, malleable cast iron with very attractive hammer tone paint.
- Very useful to hold work pieces securely for smooth turning.
- A 'V' Groove in the body help in clamping round jobs firmly.



126

ER SPRING COLLET SETS

Cat No	Model	No of Pc	Clamping Range (mm)
GER-ER25	ER25	15 Pc	2-16
GER-ER32	ER32	19 Pc	2-20



122

EJECTING DRILL DRIFT



- Good Quality Carbon Steel.
- Permanently marked for easier identification.
- It helps to remove Taper Shank Tools easily from Drill Sleeves or Sockets.
- Also Available in DIN 317 Standard upon request.

Cat No	Drift No.	Suitable for Following Morse Tapers
GED-7936	1	MT-1
GED-7937	2	MT-2
GED-7938	3	MT-3
GED-7939	4	MT-4, MT-5, MT-6
GED-7939A		4 Pc Set of 1, 2, 3 & 4.

124

LATHE CHUCK KEYS

Cat No	Size	
	Inch	mm
GCK-7940	15/64	6
GCK-7941	9/32	7
GCK-7942	15/32	12
GCK-7943	1/4	6.35
GCK-7944	5/16	8
GCK-7945	3/8	9.5
GCK-7946	7/16	11.2
GCK-7947	1/2	12.7
GCK-7948	9/16	14.3
GCK-7949	5/8	16
GCK-7950	11/16	17.5
GCK-7951	3/4	19
GCK-7952	1	25.4



- Black epoxy finish.
- Properly hardened & tempered.

125

COLLET HOLDERS



Cat No	Shank	Collet Type	Drawbar	O.A.L.
GCH-M0E16	MT-0	ER16	M5	92mm
GCH-0251	MT-2	ER25	M10	120mm
GCH-0252	MT-3	ER25	M12	135mm
GCH-0253	MT-4	ER25	M16	150mm
GCH-0254	20mm St.	ER25	-	151mm
GCH-0255	25mm St.	ER25	-	101mm
GCH-0256	R8	ER32	7/16" UNF	172mm

127

COLLET SPANNER

Cat No
GCS-1000



- For ER25 / ER32 Collet Holders.



128

REVOLVING TAILSTOCK ARBOR



Cat No	Size	Drawbar
GTA-7994	MT2 x B16	M10
GTA-7995	MT3 x B16	M12
GTA-7996	MT2 x JT2	M10
GTA-7997	MT2 x JT3	M10
GTA-7998	MT3 x JT2	M12
GTA-7999	MT3 x JT3	M12

- It is used to assist small diameter of work at the tailstock where revolving center is not practical.

129

REVERSIBLE TAPPING ATTACHMENT



Cat No	Size	Capacity
GTA-0135	MT-1	M3-M5
GTA-7990	MT-2	M3 - M12
GTA-7991	MT-2	M10 - M20
GTA-7992	MT-3	M3 - M12
GTA-7993	MT-3	M10 - M20

- A versatile attachment suitable use on drilling machines for drilling through and blind holes with standard taps.
- The automatic reverse mechanism has a double back out speed and an adjustable friction clutch to avoid tap breakage.

130

MINI LATHE CHUCK WITH SHANKS

Cat No	Chuck Dia mm	No. Of Jaws	Thread Size	Shank	Drawbar mm
GLA-0001	50	3	M14x1	MT-1	M6
GLA-0002	50	3	M14x1	MT-2	M10
GLA-0003	50	3	M14x1	MT-3	M12
GLA-0004	50	4	M14x1	MT-1	M6
GLA-0005	50	4	M14x1	MT-2	M10
GLA-0006	50	4	M14x1	MT-3	M12
GLA-0007	65	3	M14x1	MT-1	M6
GLA-0008	65	3	M14x1	MT-2	M10
GLA-0009	65	3	M14x1	MT-3	M12
GLA-0010	65	4	M14x1	MT-1	M6
GLA-0011	65	4	M14x1	MT-2	M10
GLA-0012	65	4	M14x1	MT-3	M12



131

MINI LATHE CHUCKS

Cat No	Diameter	Back Thread	Type	No. of Jaws
GLC-8238	50mm	M12x1.0	Self Centring	3
GLC-8239	50mm	M14x1.0	Self Centring	3
GLC-8240	65mm	M12x1.0	Self Centring	3
GLC-8241	65mm	M14x1.0	Self Centring	3
GLC-8242	70mm	M12x1.0	Independent	4
GLC-8243	70mm	M14x1.0	Independent	4



Self Centring



Independent

132

SELF CENTERING LATHE CHUCKS

3 Jaws

Cat No	Diameter of Chuck	
	Inch	mm
GLC-8229	3.5/32"	80
GLC-8230	4	100
GLC-8244	5	125
GLC-8231	6	150
GLC-8232	8	200
GLC-8233	10	250



133

INDEPENDENT LATHE CHUCKS

4 Jaws

Cat No	Diameter of Chuck	
	Inch	mm
GLC-8228	3.5/32"	80
GLC-8234	4	100
GLC-8227	5	125
GLC-8235	6	150
GLC-8236	8	200
GLC-8237	10	250

- Body Manufactured from high-grade castings.
- Jaws Manufactured from Special grade of case hardening steel accurately Machined.
- Each chuck is provided with key of suitable strength.



134

TRIANGULAR SCRAPPERS

Cat No	Description	Total Length
GTS-0624	Hollow ground cutting edges	7-1/4" 185mm
GTS-0625	Solid cutting edges	7-3/4" 200mm

- Blades are manufactured from high carbon steel.
- Hardened and ground points.
- Used to remove spots & burrs on machined surfaces.
- Handles are manufactured from fine quality polished hardwood.



135

ENGINEER'S BEARING SCRAPPERS

- Blades are manufactured from high carbon steel.
- Hardened & ground points.
- Used to remove spots & burrs on machined surfaces.
- Handles are manufactured from fine quality wood & polished.



Cat No	Size		Shape
	Inch	mm	
GBS-0607	4	100	Flat
GBS-0608	4	100	Triangular
GBS-0609	4	100	Half Round
GBS-0610	6	150	Flat
GBS-0611	6	150	Triangular
GBS-0612	6	150	Half Round
GBS-0613	8	200	Flat
GBS-0614	8	200	Triangular
GBS-0615	8	200	Half Round
GBS-0616	10	250	Flat
GBS-0617	10	250	Triangular
GBS-0618	10	250	Half Round
GBS-0619	12	300	Flat
GBS-0620	12	300	Triangular
GBS-0621	12	300	Half Round
GBS-S607	3Pc Set of 4" Long Flat, Triangular & Half Round		
GBS-S610	3Pc Set of 6" Long Flat, Triangular & Half Round		
GBS-S613	3Pc Set of 8" Long Flat, Triangular & Half Round		
GBS-S616	3Pc Set of 10" Long Flat, Triangular & Half Round		
GBS-S619	3Pc Set of 12" Long Flat, Triangular & Half Round		

136

VALVE SEAT & FACE CUTTER SETS

Cat No	No. Of Pc in each set	Sizes of Valve seat & face cutters included Inches	Sizes of Bore Cutters Included
GVC-8238	3Pc Set	1.5/16 & 1.7/16 (45°) (Supplied with 2 Nos. Guides, 1Nos each Handle, rod & Small Pin)	1.3/8 (20°)
GVC-8239	4Pc Set	1.5/16, 1.7/16 & 1.3/8 (45°) (Supplied with 2 Nos. Guides, 1Nos each Handle, rod & Small Pin)	1.3/8 (20°)
GVC-8241	10Pc Sets	1.3/16, 1.1/4, 1.5/16, 1.3/8, 1.1/2, 1.11/16, 1.1/4 & 1.9/16 (20°), 1.3/4 (45°) & 1.11/16 (30°) (Supplied with 8 Nos. Guides, 2 Nos each Handle, 2 rods & Small Pin)	1.1/4 & 1.9/16 (20°)
GVC-8242	12Pc Set	1.3/16, 1.1/4, 1.5/16, 1.3/8, 1.1/2, 1.11/16, 1.1/4 & 1.9/16 (20°), 1.3/4 (45°), 1.11/16 (30°) & 2.1/16 (45°) (Supplied with 8 Nos. Guides, 2 Nos each Handle, 2 rods & Small Pin)	1.1/4, 1.9/16 (20°) & 1.3/4 (20°)
GVC-8243	15Pc Set	1.3/16, 1.1/4, 1.5/16, 1.3/8, 1.1/2, 1.11/16, 1.1/4 & 1.9/16 (20°), 1.3/4 (45°) & 1.11/16 (30°), 2.1/16 (45°), 1.7/16, 1.5/8" & 2.1/8 (45°) (Supplied with 8 Nos. Guides, 2 Nos each Handle, 2 rods & Small Pin)	1.1/4, 1.9/16 (20°) & 1.3/4 (20°)
GVC-8244	20Pc Set	1.3/16, 1.1/4, 1.5/16, 1.3/8, 1.1/2, 1.11/16, 1.1/4 & 1.9/16 (20°), 1.3/4 (45°) & 1.11/16 (30°), 2.1/16 (45°), 1.7/16, 1.5/8", 2.1/8 (45°), 1.1/8, 1.7/8 & 2.1/4 (45°)	1.1/4, 1.9/16 (20°), 1.3/4 (20°) & 2" (20°)



- Manufactured from High Grade Carbon Steel, properly hardened & tempered.
- The Cutting Edges of all the cutters are accurately ground for best results.
- Sets Supplied in Fine Finished wooden box.

137

VALVE SEAT & FACE CUTTER SETS

Professional - 45°

Cat No	No. of Pc in each set	Sizes of Valve seat & face cutters included Inches
GVC-8240	5Pc Set	CUTTERS - 42.5mm, 40mm, 37.5mm, 35mm & 32.5mm THREADED SPINDLE - 6.5mm, 7mm, 7.5mm, 8mm & 8.5mm 1 x TOMMY BAR (M10)
GVC-8213	13Pc Set	CUTTERS - 30mm, 32.5mm, 35mm, 37.5mm, 40mm, 42.5mm, 45mm, 47.5mm, 50mm, 52.5mm, 55mm, 57.5mm & 60mm THREADED SPINDLE - 6mm, 6.5mm, 7mm, 7.5mm, 8mm, 8.5mm, 9mm, 9.5mm, 10mm, 10.5mm, 11mm, 11.5mm & 12mm 1 x TOMMY BAR (M10)



138

COLD CHISELS



- Manufactured from tool steel.
- Edges are hardened & ground.

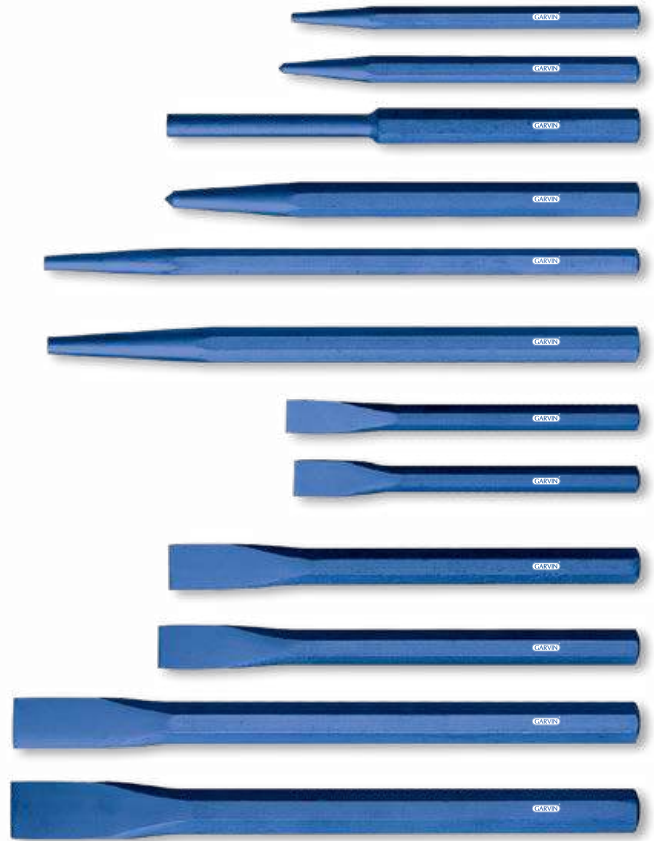
Cat No	Cutting Edge Size		Total length	
	Inch	mm	Inch	mm
GCC-0594	5/16	8.0	4	100
GCC-0595	3/8	9.5	5	125
GCC-0596	1/2	12.7	6	150
GCC-0597	5/8	16.0	6	150
GCC-0598	3/4	19.00	7	175
GCC-0599	1	25.00	8	200
GCC-0600	3/4	19.00	12	300
GCC-0601	1-1/8	28.00	12	300

139

PUNCH & CHISEL SET

Cat No	Description mm	OAL		No. of Pc
		Inch	mm	
GPC-0602	1 Pc Chisel 10x150x10	6	150	6
	1 Pc Chisel 12x150x12			
	1 Pc Chisel 16x150x16			
	1 Pc Center Punch 12x150x6			
	1 Pc Nail Punch 10x150x5			
	1 Pc Drive Pin Punch 12x150x5			
GPC-0603	2 Pc Chisel 12x150x12	6,8,10	150, 200, 250	12
	2 Pc Chisel 16x200x16			
	2 Pc Chisel 18x250x18			
	1 Pc Nail Punch 10x150x5			
	1 Pc Nail Punch 12x250x6			
	1 Pc Nail Punch 16x250x8			
	1 Pc Center Punch 12x150x5			
	1 Pc Center Punch 16x200x8			

- Made from high carbon steel.
- Supplied in vinyl pouch.
- Hardened & tempered.
- Powder coating finish.



140

TOOLMAKER'S PARALLEL CLAMP

Cat No	Jaw Length		Jaw Opening	
	Inch	mm	Inch	mm
GMC-8022	2	50	1-1/4	31
GMC-8023	2-1/2	60	1-3/4	44
GMC-8024	3	75	2-1/4	57
GMC-8025	4	100	2-3/4	70
GMC-8026	5	125	3-1/2	89
GMC-8027	6	150	4-1/2	114
GMC-8028	8	200	6	150

- Manufactured from case hardened steel.
- All sizes are equipped with spring clip.
- Extremely useful in holding work together in tapping or drilling.



141

JUNIOR BABY C-CLAMPS

Drop Forged

Cat No	Jaw Length	Depth
	Inch	Inch
GGC-8020J	1	1
GGC-8021J	1	1.1/2
GGC-8022J	1.1/4	1.1/4
GGC-8023J	1.1/2	1.1/2
GGC-8024J	2	1.1/4
GGC-8025J	2.1/2	2.1/2
GGC-8026J	3	1.3/8
GGC-8050J	7 Pc Set of above	

- Manufactured from drop forged steel.
- Zinc Plated Spindles.
- Powder coated finish.



UNBREAKABLE

142

G - CLAMPS



MALLEABLE
CASTING

STEEL
CASTING

DROP
FORGED

Cat No	Cat No	Cat No	Capacity	
Malleable Casting	Steel Casting	Drop Forged	Inch	mm
GGC-8003	GGC-8016	GGC-8010	2"	50mm
GGC-8004	GGC-8017	GGC-8011	3"	75mm
GGC-8005	GGC-8018	GGC-8012	4"	100mm
GGC-8006	GGC-8019	GGC-8013	6"	150mm
GGC-8007	GGC-8020	GGC-8014	8"	200mm
GGC-8008	GGC-8021	GGC-8015	10"	250mm
GGC-8009	GGC-8022	GGC-8023	12"	300mm

- Suitable for Fabrication & welding applications etc.
- Precision machined drive screw.
- Swivel shoe for positive location on the material being clamped.

145

PLATE BENCH SHEAR



Cat No Leaver Type	Cat No Spare Blades	Blade Length	
		Inch	mm
GHS-8029	GHS-8033	6	150
GHS-8030	GHS-8034	8	200
GHS-8031	GHS-8035	10	250
GHS-8032	GHS-8036	12	300

- Ideally used for shearing Plates or round blocks.
- Long handle to increase torque force.
- Blades Hardened & Tempered.

143

REPAIRMAN'S TAPER REAMER



Cat No	Range	
	Inch	mm
GRR-0605	1/8 to 1/2	3.0 to 12.5
GRR-0606	1/8 to 5/8	3.0 to 16.0

- Manufactured from tool steel.
- Edges are hardened & ground.

144

PLATE BENCH SHEAR SPRING TYPE



Cat No	Blade Length	
	Inch	mm
GHS-8037	4"	100mm
GHS-8038	5"	125mm
GHS-8039	6"	150mm
GHS-8040	8"	200mm
GHS-8041	10"	250mm
GHS-8042	12"	300mm

- Light Weight Powerful Shears for cutting sheets, metal rods & bars.
- Blade are manufactured from hardened tool steel and are held in a open position by a strong spring to help prevent accidents.

146

PORTABLE HAND SHEAR

Cat No	Cutting Capacity
GHS-8043	Upto 1/16" / 1.6mm



- If you mount this onto a bench or into a vice, the long handle enables controlled movement of the wheel to cut straight, curved and internal corners.
- Ideal for forming car body parts.

147

MINI BENDING BRAKE

Aluminum

Cat No

GUB-5201

- Bends up to 0.20" (0.5mm) Brass, Copper, other soft metals.
- Bends up to 90° with help of tightening 2 Press Screws.
- 3" (75mm) wide.
- Adjustable depth guide allows duplication of bend placement



148

MINI ROLLING AND BENDING MACHINE

Cat No

GUB-5202

- Bends Brass strips, Copper strips, Wood strips other soft metals.
- Bends up to 2-1/4" (55mm) wide and 1/8" (3mm) thick.
- Also bends tubing and soft wires of 1/16" (1.5mm), 3/32" (2.3mm), 1/8" (3mm).
- Rollers length 3" (75mm).
- Roller diameter 1/2" (12mm).
- Steel Gears.

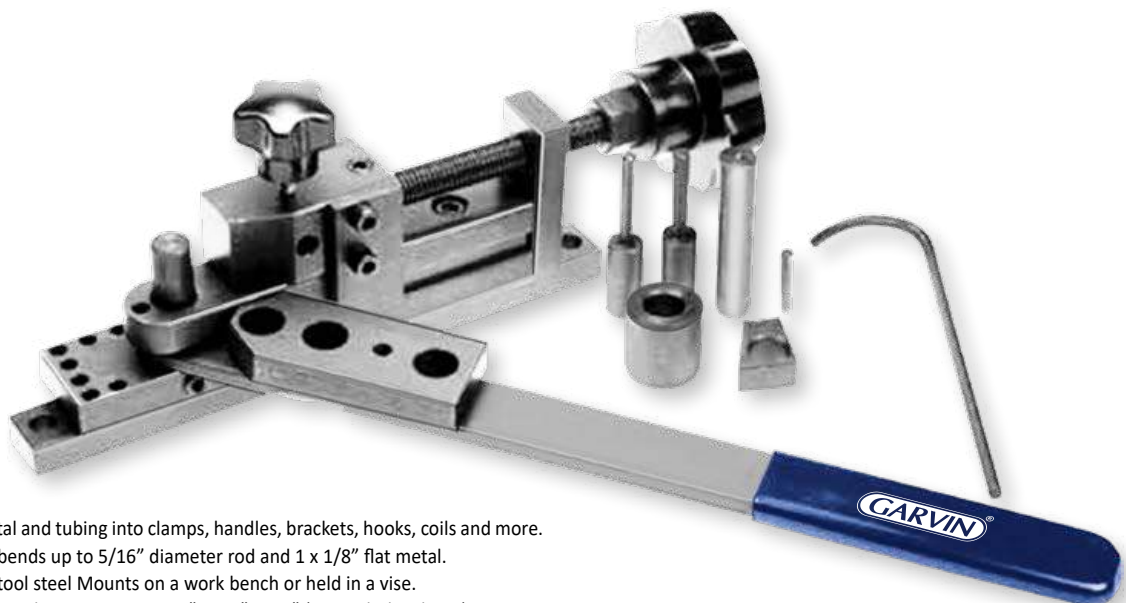


149

MINI UNIVERSAL BENDING BENDER FORMS WIRE, FLAT METAL AND TUBING

Cat No

GUB-5200



- Forms wire, flat metal and tubing into clamps, handles, brackets, hooks, coils and more.
- Makes sharp angle bends up to 5/16" diameter rod and 1 x 1/8" flat metal.
- Made of hardened tool steel Mounts on a work bench or held in a vise.
- Will not bend copper tubing Dimensions: 9" x 3.5" x 2.5" (not including lever).
- Circle Pins (3/16, 1/4 & 1/2" diameter) 1 of each: Circle die (1" Diameter), stop pin, sharp angle.

150

3 IN 1 UNIVERSAL SHEET METAL MACHINE



Cat No	Specification
GUB-5205	8"/200mm
	Technical specifications
	Total width - 180mm
	Total length - 250mm
	Tool material - Carbon Steel
	Roller Diameter - 29mm
	Bending angle - 0 to 90deg.
GUB-5206	Total height - 250mm
	12"/300mm
	Technical specifications
	Total width - 295mm
	Total length - 365mm
	Tool material - Carbon Steel
	Roller Diameter - 38mm
GJT-0328	Bending angle - 0 to 90deg.
	Total height - 350mm

GUB-5205

GUB-5206

153

VICE-MOUNTED WIRE BENDER

Cat No
GJT-0328

- 7"/175mm long arm with rubber grip for tough materials.
- Bends wire upto 1/8"(3mm) Dia of Copper, Brass and Steel.
- Should be locked in bench vice during use.
- Hardened Steel and radius pins.
- Rod and Strip Bender Too.



151

DRILL STANDS



Cat No	Drill Size
GDH-7742	1/16"-1/2"
GDH-7743	1-13mm
GDH-7744	1-60
GDH-7744A	A - Z

- Manufactured from Aluminium.

152

DRILL STAND STAINLESS STEEL



Cat No	Drill Size
GDH-7745	1-13mm

154

BEARING PULLER

3 Leg

Cat No	Size
GBP-2521	3"/75mm
GBP-2516	4"/100mm
GBP-2517	6"/150mm
GBP-2518	8"/200mm
GBP-2519	10"/250mm
GBP-2520	12"/300mm
GBP-2522	14"/350mm
GBP-2523	16"/400mm
GBP-2524	18"/450mm
GBP-2524	18"/450mm



155

BEARING PULLER

2 Leg

Cat No	Size
GBP-2525	3"/75mm
GBP-2526	4"/100mm
GBP-2527	6"/150mm
GBP-2528	8"/200mm
GBP-2529	10"/250mm
GBP-2530	12"/300mm
GBP-2531	14"/350mm
GBP-2532	16"/400mm
GBP-2533	18"/450mm



156

SLEDGE HAMMER BRASS

(Non Sparking)



Cat No	Weight
GFH-2533	0.5kg / 1.1lb
GFH-2534	1kg / 2.2lb
GFH-2535	1.5kg / 3.3lb
GFH-2536	2kg / 4.4lb
GFH-2537	2.5kg / 5.5lb
GFH-2538	3kg / 6.6lb
GFH-2539	5kg / 11lb

157

CHIPPING HAMMER

BRASS (Non Sparking)



Cat No	Weight
GFH-2540	0.5kg

158

BALL PIEN HAMMER

BRASS (Non Sparking)



Cat No	Weight
GFH-2547	0.5kg
GFH-2548	1kg

159

RUBBER MALLET



Cat No	Dia
GFH-2542	1.5"/38mm
GFH-2543	2"/50mm
GFH-2544	3"/75mm

160

NYLON FACE HAMMER



Cat No	Face Dia.	Cat No	Face Dia.
GJT-5190	1" (25mm)	GJT-5194	1.1/4" (32mm)
GJT-5191	1.1/2" (38mm)	GJT-5195	1.3/4" (45mm)
GJT-5192	Spare Tip for 1" Dia.	GJT-5196	Spare Tip for 1.1/4" Dia.
GJT-5193	Spare Tip for 1.1/2" Dia.	GJT-5197	Spare Tip for 1.3/4" Dia.

161

SLEDGE HAMMER



Cat No	Weight
GFH-2545	1lb / 450grms
GFH-2546	3lb / 1360grms

162

CLAW HAMMER (STEEL)



Cat No	Weight
GFH-2541	16oz / 450grms



SCLCR/L

Cat No	ISO Designation	Shank Size	Suitable Carbide Insert
GIT-0031	SCLCR/L 0606 D06	6 x 6 x 60mm	CCMT 060204
GIT-0032	SCLCR/L 0808 D06	8 x 8 x 60mm	CCMT 060204
GIT-0033	SCLCR/L 1010 E06	10 x 10 x 70mm	CCMT 060204
GIT-0034	SCLCR/L 1212 F06	12 x 12 x 80mm	CCMT 060204
GIT-0035	SCLCR/L 1616 H09	16 x 16 x 150mm	CCMT 090304
GIT-0062	SCLCR/L 2020 K12	20 x 20 x 175mm	CCMT 1204
GIT-0078	SCLCR/L 2525 K12	25 x 25 x 150mm	CCMT 1204



SCBCR

Cat No	ISO Designation	Shank Size	Suitable Carbide Insert
GIT-0036	SCBCR 0606 D06	6 x 6 x 60mm	CCMT 060204
GIT-0037	SCBCR 0808 D06	8 x 8 x 60mm	CCMT 060204
GIT-0038	SCBCR 1010 E06	10 x 10 x 70mm	CCMT 060204
GIT-0039	SCBCR 1212 F06	12 x 12 x 80mm	CCMT 060204
GIT-0040	SCBCR 1616 H09	16 x 16 x 150mm	CCMT 090304
GIT-0067	SCBCR 2020 K12	20 x 20 x 175mm	CCMT 1204
GIT-0081	SCBCR 2525 K12	25 x 25 x 150mm	CCMT 1204



SCKCR

Cat No	ISO Designation	Shank Size	Suitable Carbide Insert
GIT-0041	SCKCR 0606 D06	6 x 6 x 60mm	CCMT 060204
GIT-0042	SCKCR 0808 D06	8 x 8 x 60mm	CCMT 060204
GIT-0043	SCKCR 1010 E06	10 x 10 x 70mm	CCMT 060204
GIT-0044	SCKCR 1212 F06	12 x 12 x 80mm	CCMT 060204
GIT-0045	SCKCR 1616 H09	16 x 16 x 150mm	CCMT 090304
GIT-0064	SCKCR 2020 K12	20 x 20 x 175mm	CCMT 1204
GIT-0080	SCKCR 2525 K12	25 x 25 x 150mm	CCMT 1204



SCMCN

Cat No	ISO Designation	Shank Size	Suitable Carbide Insert
GIT-0046	SCMCN 0606 D06	6 x 6 x 60mm	CCMT 060204
GIT-0047	SCMCN 0808 D06	8 x 8 x 60mm	CCMT 060204
GIT-0048	SCMCN 1010 E06	10 x 10 x 70mm	CCMT 060204
GIT-0049	SCMCN 1212 F06	12 x 12 x 80mm	CCMT 060204
GIT-0050	SCMCN 1616 H09	16 x 16 x 150mm	CCMT 090304
GIT-0066	SCMCN 2020 K12	20 x 20 x 175mm	CCMT 1204
GIT-0082	SCMCN 2525 K12	25 x 25 x 150mm	CCMT 1204



SCSCR

Cat No	ISO Designation	Shank Size	Suitable Carbide Insert
GIT-0051	SCSCR 0606 D06	6 x 6 x 60mm	CCMT 060204
GIT-0052	SCSCR 0808 D06	8 x 8 x 60mm	CCMT 060204
GIT-0053	SCSCR 1010 E06	10 x 10 x 70mm	CCMT 060204
GIT-0054	SCSCR 1212 F06	12 x 12 x 80mm	CCMT 060204
GIT-0055	SCSCR 1616 H09	16 x 16 x 150mm	CCMT 090304
GIT-0066A	SCSCR 2020 K12	20 x 20 x 175mm	CCMT 1204
GIT-0082A	SCSCR 2525 K12	25 x 25 x 150mm	CCMT 1204



SCLCR/L INDEXABLE BORING BARS

Cat No	ISO Designation	Shank Size	Suitable Carbide Insert
GIT-0056	S06F SCLCR/L	6 x 80mm	CCMT 060204
GIT-0057	S08H SCLCR/L	8 x 100mm	CCMT 060204
GIT-0058	S10K SCLCR/L	10 x 125mm	CCMT 060204
GIT-0059	S12M SCLCR/L	12 x 150mm	CCMT 060204
GIT-0060	S16R SCLCR/L	16 x 200mm	CCMT 090304
GIT-0061	S20S SCLCR/L	20 x 20 x 200mm	CCMT 1204
GIT-0084	S25M SCLCR/L	25 x 25 x 300mm	CCMT 1204



7 PC SET OF TOOL HOLDERS & BORING BARS

Cat No	Shank Size	Suitable Carbide Insert
GIT-0026	6mm	CCMT 060204
GIT-0027	8mm	CCMT 060204
GIT-0028	10mm	CCMT 060204
GIT-0029	12mm	CCMT 060204
GIT-0030	16mm	CCMT 090304
GIT-0032A	20mm	CCMT 1204
GIT-0032B	25mm	CCMT 1204

SPARE CARBIDE INSERT



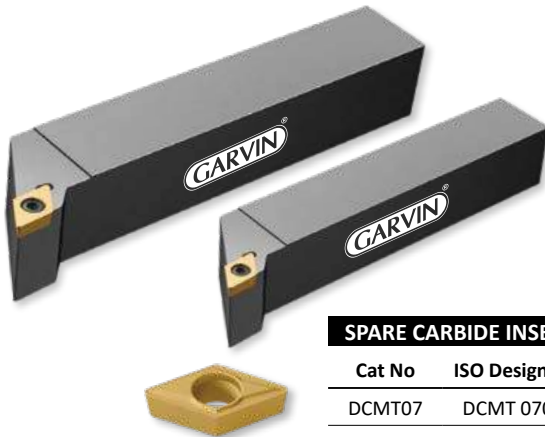
Cat No	ISO Designation
GCI-CC06	CCMT 060204
GCI-CC09	CCMT 090304
GCI-CC12	CCMT 1204

14mm size also available on request with CCMT090304
All above are supplied complete with suitable Insert, Screw & Torx Key.

164

MINI TURNING TOOL CNC PROFILE 60°

Cat No	ISO Designation	Shank Size	Suitable Carbide Insert
GIT-0070	SDJCR 0808 E07	8 x 8 x 125mm	DCMT 070204
GIT-0071	SDJCR 1010 E07	10 x 10 x 125mm	DCMT 070204
GIT-0072	SDJCR 1212 F07	12 x 12 x 150mm	DCMT 070204
GIT-0074	SDJCR 1616 H07	16 x 16 x 150mm	DCMT 11T304
GIT-0075	SDJCR 2020 K11	20 x 20 x 150mm	DCMT 11T304



SPARE CARBIDE INSERT

Cat No	ISO Designation
DCMT07	DCMT 070204
DCMT11T3	DCMT 11T304

165

EXTERNAL TURNING TOOL HOLDER

Cat No	ISO Designation	Shank Size	Suitable Carbide Insert
GIT-2000	SDNCN 0808 E07	8 x 8 x 125mm	DCMT 070204
GIT-2001	SDNCN 1010 E07	10 x 10 x 125mm	DCMT 070204
GIT-2002	SDNCN 1212 F07	12 x 12 x 150mm	DCMT 070204
GIT-2004	SDNCN 1616 H07	16 x 16 x 150mm	DCMT 11T304
GIT-2005	SDNCN 2020 K11	20 x 20 x 150mm	DCMT 11T304



SPARE CARBIDE INSERT

Cat No	ISO Designation
DCMT07	DCMT 070204
DCMT11T3	DCMT 11T304

166

PROFILING TOOL STRAIGHT

Cat No	ISO Designation	Shank Size	Suitable Carbide Insert
GPT-0030	SRDCN 0606	6 x 6 x 70mm	RCMT 0602
GPT-0031	SRDCN 0808	8 x 8 x 70mm	RCMT 0602
GPT-0031	SRDCN 1010	10 x 10 x 70mm	RCMT 0602
GPT-0033	SRDCN 1212	12 x 12 x 70mm	RCMT 0602
GPT-0034	SRDCN 1616	16 x 16 x 100mm	RCMT 1003



SPARE CARBIDE INSERT

Cat No	ISO Designation
GCI-RC06	RCMT 0602 MO
GCI-RC10	RCMT 1003 MO

167

TURNING TOOL HOLDERS Extra Long Length



Cat No	ISO Designation	Shank Size	Suitable Carbide Insert
GIT-6100	SCLCR 0606	6 x 6 x 100mm	CCMT 060204
GIT-6101	SCLCR 0808	8 x 8 x 125mm	CCMT 060204
GIT-6102	SCLCR 1010	10 x 10 x 125mm	CCMT 060204
GIT-6103	SCLCR 1212	12 x 12 x 150mm	CCMT 060204
GIT-6104	SCLCR 1414	14 x 14 x 150mm	CCMT 090304
GIT-6105	SCLCR 1616	16 x 16 x 150mm	CCMT 090304
GIT-6106	SCLCR 2020	20 x 20 x 200mm	CCMT 1204

168

PROFILING TOOL RIGHT

Cat No	ISO Designation	Shank Size	Suitable Carbide Insert
GPT-0040	SRGCR 0606	6 x 6 x 60mm	RCMT 0602
GPT-0041	SRGCR 0808	8 x 8 x 60mm	RCMT 0602
GPT-0042	SRGCR 1010	10 x 10 x 70mm	RCMT 0602
GPT-0043	SRGCR 1212	12 x 12 x 80mm	RCMT 0602
GPT-0045	SRGCR 1616	16 x 16 x 100mm	RCMT 1003



SPARE CARBIDE INSERT

Cat No	ISO Designation
GCI-RC06	RCMT 0602 MO
GCI-RC10	RCMT 1003 MO

169

EXTERNAL THREADING TOOL HOLDER



Cat No	ISO Designation	Shank Size	Suitable Carbide Insert
GIT-0101	SER 1010	10 x 10 x 100mm	ER11 A60
GIT-0102	SER 1212	12 x 12 x 100mm	ER11 A60
GIT-0103	SER 1414	14 x 14 x 125mm	ER11 A60
GIT-0104	SER 1616	16 x 16 x 125mm	ER16 A60
GIT-0105	SER 2020	20 x 20 x 125mm	ER16 A60



SPARE CARBIDE INSERT

Cat No	ISO Designation
GCI-11	ER11 A60
GCI-16	ER16 A60

170

INTERNAL THREADING TOOL HOLDER



Cat No	ISO Designation	Shank Size	Suitable Carbide Insert
GIT-0115	SIR 1010	10 x 10 x 125mm	IR11 A60
GIT-0116	SIR 1212	12 x 12 x 125mm	IR11 A60
GIT-0117	SIR 1414	14 x 14 x 150mm	IR11 A60
GIT-0118	SIR 1616	16 x 16 x 150mm	IR16 A60
GIT-0119	SIR 2020	20 x 20 x 175mm	IR16 A60



SPARE CARBIDE INSERT

Cat No	ISO Designation
GCI-IR11	IR11 A60
GCI-IR16	IR16 A60

171

INDEXABLE THREADING TOOL SET

11 Pc

Cat No	Shank Size	Insert	Pitch
GIT-0130	8mm	1 x ER11A60 1 x IR11A60	0.5-1.5mm
GIT-0131	10mm	1 x ER11A60 1 x IR11A60	0.5-1.5mm
GIT-0132	12mm	1 x ER11A60 1 x IR11A60	0.5-1.5mm
GIT-0133	14mm	1 x ER11A60 1 x IR11A60	0.5-1.5mm
GIT-0200	14mm	1 x ER16A60 1 x IR16A60	0.5-3.0mm
GIT-0134	16mm	1 x ER16A60 1 x IR16A60	0.5-3.0mm
GIT-0135	20mm	1 x ER16A60 1 x IR16A60	0.5-3.0mm

SET INCLUDES:

- 1 x External Threading Tool Holder (ER).
- 1 x Internal Threading Tool Holder (IR).
- 2 x Internal Threading Insert.
- 2 x External Threading Insert.
- 4 x Torx Screws & 1 x Suitable Torx Key.



SPARE CARBIDE INSERT

Cat No	ISO Designation
GCI-11	ER11 A60
GCI-16	ER16 A60

SPARE CARBIDE INSERT

Cat No	ISO Designation
GCI-IR11	IR11 A60
GCI-IR16	IR16 A60

172

INDEXABLE TURNING & PARTING TOOL SET

7 Pc

Cat No	Size	
GIT-7500	8mm	• SCLCL - 1 Pc
GIT-7501	10mm	• SDJCR - 1 Pc
GIT-7502	12mm	• SCLCR - 1 Pc
GIT-7503	14mm	• SCKCR - 1 Pc
GIT-7504	16mm	• Boring Bar - 1 Pc
GIT-7505	20mm	• Parting & Grooving Holder - 1 Pc
		• External Threading Tool SER - 1 Pc



173

INDEXABLE BORING BAR MINI

Cat No	ISO DESIGNATION	Size	Suitable Carbide Insert
GIT-9000	S06H SELPR 04	6mm	EPMW 040204

- Perfect for holes less than 6.8 mm.
- Length 100mm.



SPARE CARBIDE INSERT

Cat No	ISO Designation
GCI-EPMW	EPMW 040204

174

INDEXABLE TURNING TOOL SET

5 Pc

Cat No	Size	Suitable Carbide Insert
GHT-5480	6mm (1/4")	TCMT 090204
GHT-7401	8mm (5/16")	TCMT 090204
GHT-7402	10mm (3/8")	TCMT 110204
GHT-7408	12mm (1/2")	TCMT 110204
GHT-7414	16mm (5/8")	TCMT 16T308

- STJCR - 1 Pc
- STJCL - 1 Pc
- STECN - 1 Pc
- STBCR - 1 Pc
- STBCL - 1 Pc



175

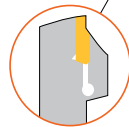
INDEXABLE TURNING & GROOVING TOOL SET

7 Pc

Cat No	Size
GIT-4469	3/8"
GIT-4470	1/2"
GIT-4471	5/8"
GIT-4472	10mm
GIT-4473	12mm
GIT-4474	16mm

Set Contains 1 Each of The Following :

- MGEHR (ZTED-MG)
- SCLCL (CCMT)
- SCLCR (CCMT)
- SDJCR (DCMT)
- SDNCN (DCMT)
- SER (ER)
- SWGCR (WCMT)



176

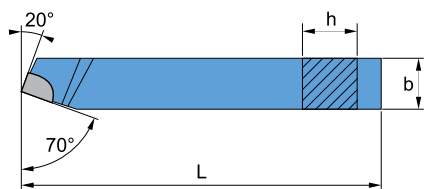
INDEXABLE TURNING TOOL SET

7 Pc

Cat No	Size	Suitable Carbide Insert	Set Includes
GHT-7415	6mm	TCMT 090204	
GHT-7416	8mm	TCMT 090204	
GHT-7417	10mm	TCMT 110204	
GHT-7418	12mm	TCMT 110204	5 x Square Shank Holders
GHT-7419	14mm	TCMT 110204	1 x Boring Bar
GHT-7422	16mm	TCMT 16T308, TCMT 110204	1 x Boring Bar Holder
GHT-7423	20mm	TCMT 16T308, TCMT 110204	

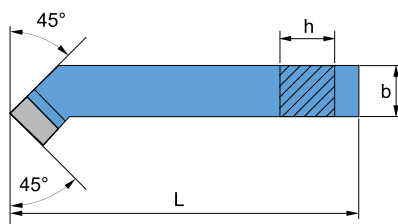
- STECN - 1 Pc
- STACR - 1 Pc
- STDCR - 1 Pc
- STNCR - 1 Pc
- STCCR - 1 Pc
- Indexable Boring Bar - 1 Pc





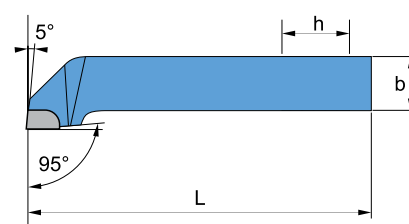
STRAIGHT TURNING TOOL

	ISO 1 R/L	DIN 4971	
Cat No	H (mm)	B (mm)	L (mm)
GBT-8068	6	6	80
GBT-8069	8	8	80
GBT-8070	10	10	90
GBT-8071	12	12	100
GBT-8072	16	16	110
GBT-8073	20	20	125
GBT-8074	25	25	140



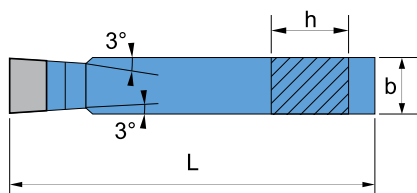
BENT TURNING TOOL

	ISO 2 R/L	DIN 4972	
Cat No	H (mm)	B (mm)	L (mm)
GBT-8075	6	6	80
GBT-8076	8	8	80
GBT-8077	10	10	90
GBT-8078	12	12	100
GBT-8079	16	16	110
GBT-8080	20	20	125
GBT-8081	25	25	140



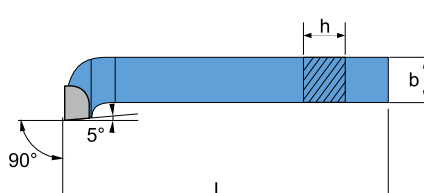
OFFSET TURNING TOOL

	ISO 3 R/L	DIN 4978	
Cat No	H (mm)	B (mm)	L (mm)
GBT-8082	6	6	80
GBT-8083	8	8	80
GBT-8084	10	6	90
GBT-8085	12	8	100
GBT-8086	16	10	110
GBT-8087	20	12	125
GBT-8088	25	16	140



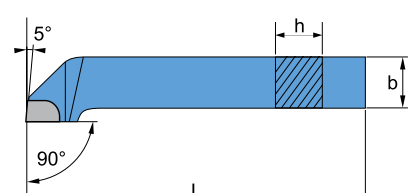
WIDE FACE SQUARE NOSE TOOL

	ISO 4	DIN 4976	
Cat No	H (mm)	B (mm)	L (mm)
GBT-8089	6	6	80
GBT-8090	8	8	80
GBT-8091	10	6	90
GBT-8092	12	8	100
GBT-8093	16	10	110
GBT-8094	20	12	125
GBT-8095	25	16	140



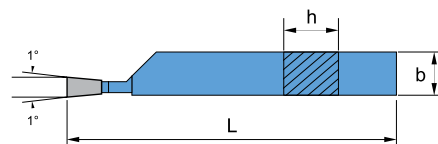
OFFSET FACE TURNING TOOL

	ISO 5 R/L	DIN 4977	
Cat No	H (mm)	B (mm)	L (mm)
GBT-8096	6	6	80
GBT-8097	8	8	80
GBT-8098	10	6	90
GBT-8099	12	8	100
GBT-8100	16	10	110
GBT-8101	20	12	125
GBT-8102	25	16	140



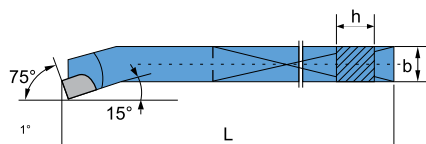
OFFSET SIDE TURNING TOOL

	ISO 6 R/L	DIN 4980	
Cat No	H (mm)	B (mm)	L (mm)
GBT-8103	6	6	80
GBT-8104	8	8	80
GBT-8105	10	10	90
GBT-8106	12	12	100
GBT-8107	16	16	110
GBT-8108	20	20	125
GBT-8109	25	25	140



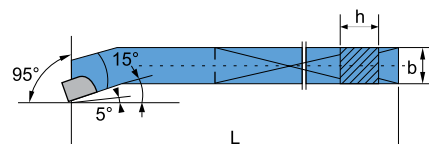
PARTING-OFF TOOL

	ISO 7 R/L	DIN 4981	
Cat No	H (mm)	B (mm)	L (mm)
GBT-8110	6	6	80
GBT-8111	8	8	80
GBT-8112	10	6	90
GBT-8113	12	8	100
GBT-8114	16	10	110
GBT-8115	20	12	125
GBT-8116	25	16	140



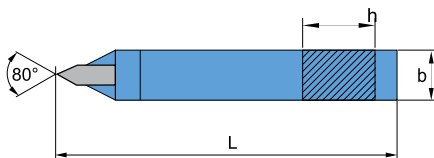
BORING TOOL

	ISO 8 R/L	DIN 4973	
Cat No	H (mm)	B (mm)	L (mm)
GBT-8117	6	6	120
GBT-8118	8	8	125
GBT-8119	10	10	150
GBT-8120	12	12	180
GBT-8121	16	16	210
GBT-8122	20	20	250
GBT-8123	25	25	300



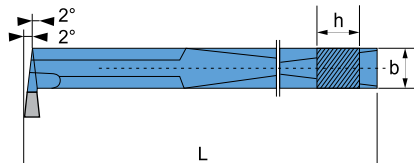
INTERNAL SIDE TURNING TOOL

	ISO 9 R/L	DIN 4974	
Cat No	H (mm)	B (mm)	L (mm)
GBT-8124	6	6	120
GBT-8125	8	8	125
GBT-8126	10	10	150
GBT-8127	12	12	180
GBT-8128	16	16	210
GBT-8129	20	20	250
GBT-8130	25	25	300



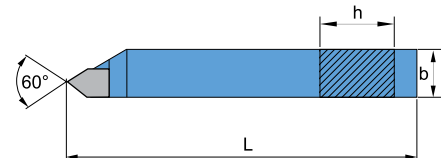
POINTED STRAIGHT TURNING TOOL

	ISO 10	DIN 4975	
Cat No	H (mm)	B (mm)	L (mm)
GBT-8131	6	6	80
GBT-8132	8	8	80
GBT-8133	10	6	90
GBT-8134	12	8	100
GBT-8135	16	10	110
GBT-8136	20	12	125
GBT-8137	25	16	140



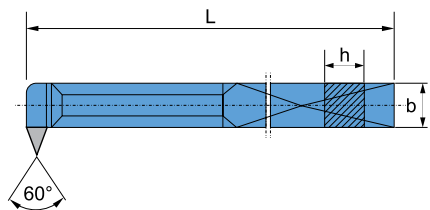
INTERNAL UNDERCUTTING TOOL

	ISO 11	DIN 263	
Cat No	H (mm)	B (mm)	L (mm)
GBT-8138	6	6	120
GBT-8139	8	8	125
GBT-8140	10	10	150
GBT-8141	12	12	180
GBT-8142	16	16	210
GBT-8143	20	20	250
GBT-8144	25	25	300



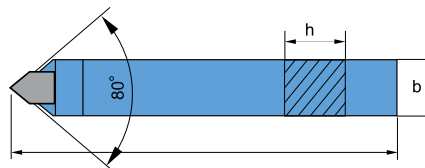
EXTERNAL THREADING TOOL

	ISO 12 R/L	DIN 282	
Cat No	H (mm)	B (mm)	L (mm)
GBT-8145	6	6	80
GBT-8146	8	8	80
GBT-8147	10	6	90
GBT-8148	12	8	100
GBT-8149	16	10	110
GBT-8150	20	12	125
GBT-8151	25	16	140



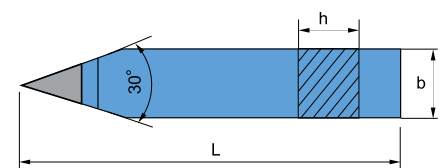
INTERNAL SIDE TURNING TOOL

	ISO 13 R/L	DIN 283	
Cat No	H (mm)	B (mm)	L (mm)
GBT-8152	6	6	120
GBT-8153	8	8	125
GBT-8154	10	10	150
GBT-8155	12	12	180
GBT-8156	16	16	210
GBT-8157	20	20	250
GBT-8158	25	25	300



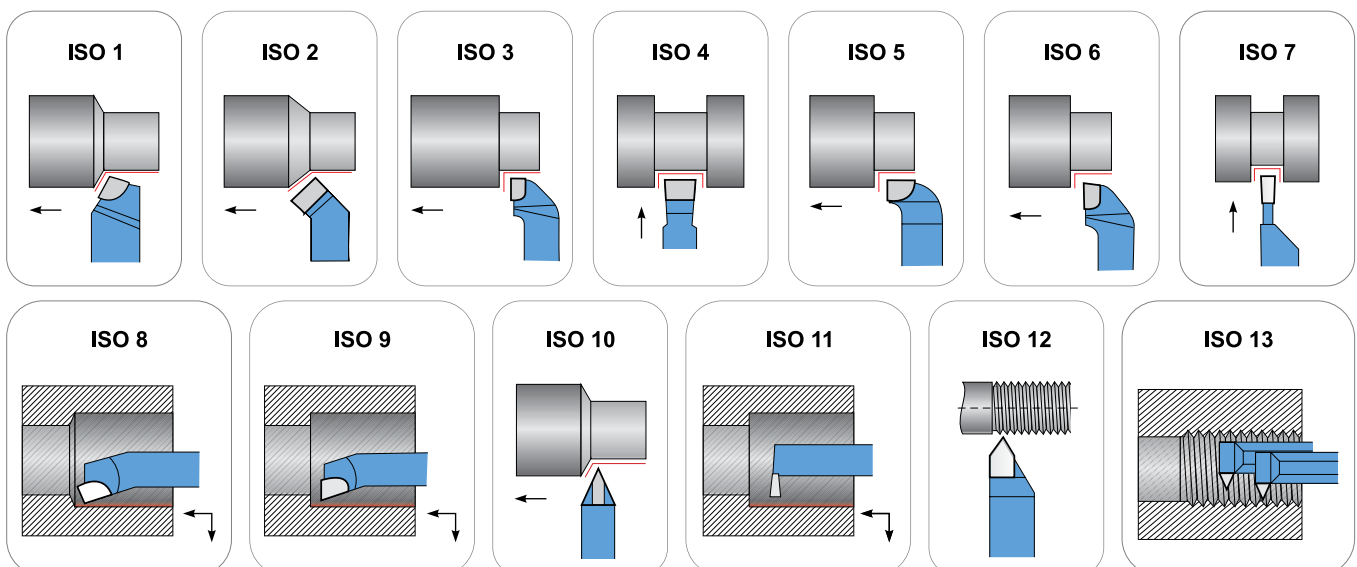
TURNING & GROOVING TOOL

	# 163	
Cat No	H (mm)	B (mm)
GBT-8159	10	10
GBT-8160	12	12
GBT-8161	16	16
GBT-8162	20	20
GBT-8163	25	25



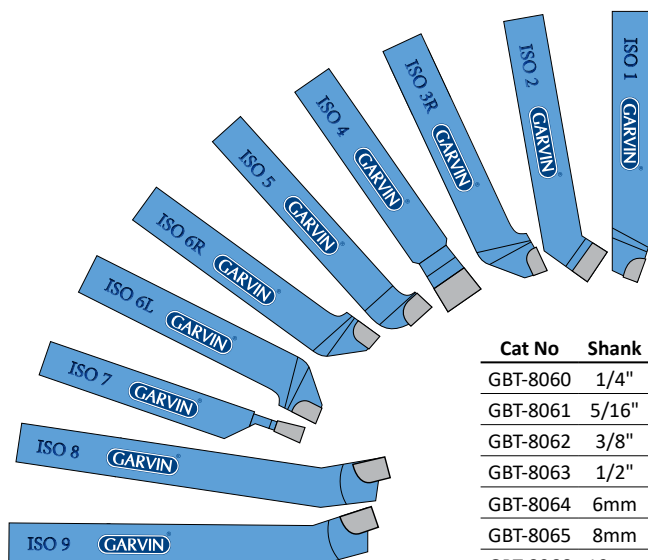
STRAIGHT ROUND NOSE TOOL

	# 113	
Cat No	H (mm)	B (mm)
GBT-8164	10	10
GBT-8165	12	12
GBT-8166	16	16
GBT-8167	20	20
GBT-8168	25	25



178

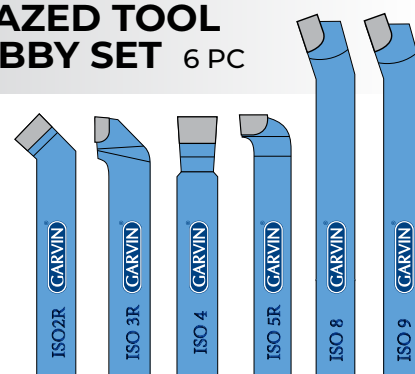
BRAZED CARBIDE LATHE TURNING TOOL SET 10 PC



Cat No	Shank
GBT-8060	1/4"
GBT-8061	5/16"
GBT-8062	3/8"
GBT-8063	1/2"
GBT-8064	6mm
GBT-8065	8mm
GBT-8066	10mm
GBT-8067	12mm

179

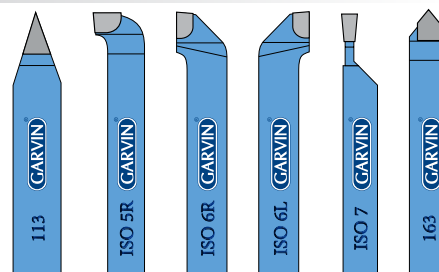
BRAZED TOOL HOBBY SET 6 PC



Cat No	Shank
GBT-5481	8mm
GBT-5482	10mm

180

BRAZED THREADING & PARTING TOOL SET 6 Pc



Cat No	Shank
GBT-5483	8mm
GBT-5484	10mm

181

HSS LATHE TURNING TOOL SET Set of 8 forms



Cat No	Shank Size	Shank Length	No. of Pc
GTT-8069	1/8"	2-3/8"	8
GTT-8070	1/4"	2-1/2"	8
GTT-8071	5/16"	3-1/8"	8
GTT-8072	3/8"	4"	8
GTT-8073	1/2"	4"	8
GTT-0058	5/8"	4"	8
GTT-8074	3.5mm	63mm	5
3.5mm Includes Form # 1, 2, 3, 5 & 6			
GTT-8083	5mm	63mm	8
GTT-8075	6mm	63mm	8
GTT-8076	8mm	80mm	8
GTT-8077	10mm	100mm	8
GTT-8078	12mm	100mm	8
GTT-M116	16mm	100mm	8

- Manufactured from HSS (M-2) material.
- Shanks are properly grounded.
- Proper heat treatment is provided to the tools to resist for longer time.
- Different forms can be separately supplied.

182

HSS LATHE TURNING TOOL SET Set of 6 forms

Cat No	Shank Size	Shank Length	No. of Pc In Set
GTT-8084	1/4"	3-1/2"	6
GTT-8085	3/8"	5"	6
GTT-8086	6mm	90mm	6
GTT-8087	10mm	125mm	6

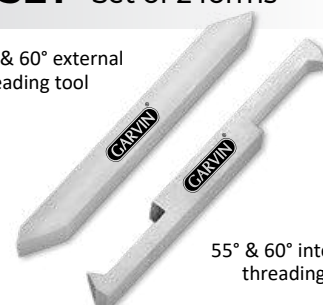


183

HSS THREADING TOOL SET Set of 2 forms

55° & 60° external threading tool

Cat No	Shank Size	Shank Length
GTT-8079	6mm	63mm
GTT-8080	8mm	80mm
GTT-8081	10mm	100mm
GTT-8082	12mm	100mm



55° & 60° internal threading tool

184

HSS INVOLUTE GEAR CUTTER SET

As Per B.S. 2518-1954

Diametrical Pitch Cutters
Pressure Angle 14-1/2°

Dimensions (Inches)

Cat No	Bore 1" or 27mm D.P.	Dia
GIC-8080	50 to 26 (Even Only)	2-1/4
GIC-8081	25	2-1/4
GIC-8082	24	2-1/4
GIC-8083	23	2-1/4
GIC-8084	22	2-1/4
GIC-8085	21	2-1/4
GIC-8086	20	2-3/8
GIC-8087	19	2-3/8
GIC-8088	18	2-3/8

Module Cutters Pressure Angle 20°

Cat No	Module	Diameter
GIC-8104	1.0	57
GIC-8105	1.25	61
GIC-8106	1.5	64
GIC-8107	1.75	64
GIC-8108	2.0 or 2.25	67
GIC-8109	2.5	70



Form # 1
135 Teeth
To Rack

Form # 2
55 to 134 Teeth
To Rack

Form # 3
35 to 54 Teeth
To Rack

Form # 4
26 to 34 Teeth
To Rack

Form # 5
21 to 25 Teeth
To Rack

Form # 6
17 to 20 Teeth
To Rack

Form # 7
14 to 16 Teeth
To Rack

Form # 8
12 to 13 Teeth
To Rack

- All Above Cutters are 0.5 Module.
- A Cutter with Radially Machine relieved teeth on periphery to cut a single tooth Space in Gear.

Cat No	Form(s)	Cut Gears From	O.D	Bore
GIC-8121	Form # 2	14 – 16 Teeths	40mm	16mm
GIC-8122	Form # 3	17 – 20 Teeths	40mm	16mm
GIC-8123	Form # 4	21 – 25 Teeths	40mm	16mm
GIC-8124	Form # 5	26 – 34 Teeths	40mm	16mm
GIC-8125	Form # 6	35 – 54 Teeths	40mm	16mm
GIC-8126	6Pc Set of Above Forms			

185

HSS GEAR CUTTER HOBBY SET 6 Pc

186

BRAZED CARBIDE BORING BAR SETS

- Proper brazing is done of the carbide tips to avoid chipping and breaking while the tool is in use.
- Tool life is extended because each bar has far more steel behind the cutting edge for heavier, chatter free cut.
- The same bars can bore flat-bottom holes.
- Shanks are grounded.
- The massive head behind the cutting edge promotes rigidity & long life by reducing vibration.
- Set Supplied in fine finished wooden stand.

Shank Size	Cat No	No. of Pc
6mm	GBB-7669	3Pc Set
8mm (5/16")	GBB-7655	9Pc Set
	GBB-7656	12Pc Set
10mm (3/8")	GBB-7657	9Pc Set
	GBB-7657A	12Pc Set
12mm (1/2")	GBB-7658	9Pc Set
	GBB-7661	12Pc Set
20mm (3/4")	GBB-7662	9Pc Set
	GBB-7660	12Pc Set



187

HSS BORING BARS

Cat No	Diameter	O.A.L.
GBB-7663	5mm (3/16")	114mm (4-1/2")
GBB-7664	6mm (1/4")	127mm (5")
GBB-7665	8mm (5/16")	153mm (6")
GBB-7666	9.5mm (3/8")	178mm (7")

- Ground Shank on underside to provide a flat surface for ease of setting to ensure rigidity when used in Tool Post.
- Manufactured from M2 Grade.



188

BORING BAR WITH HOLDER

Cat No	Boring Bar Sets.	Packing
GBB-7637	6 Pc set of 1/4", 3/8", 1/2", 5/8", 3/4" & 1"	Wooden Stand
GBB-7638	5 Pc set of 3/8", 1/2", 5/8", 3/4" & 1"	Wooden Stand
GBB-7639	4 Pc set of 1/4", 5/16", 3/8" & 1/2"	PVC Pouch

- Manufactured from good quality tool steel.
- Supplied with one allen key.
- Tool bit not included.



Straight Cat No	Bar Size		Holder Size		Suitable For Square Bit Size
	Dia	Length	Length	Square	
GBB-7584	3/8"	4-1/2"	2-1/4"	1/2"	1/8"
GBB-7585	7/16"	5-1/4"	2-1/2"	1/2"	3/16"
GBB-7586	9/16"	6-3/4"	3"	5/8"	1/4"
GBB-7587	3/4"	9-1/4"	3-3/4"	7/8"	5/16"
GBB-7588	7/8"	11-1/2"	4-1/2"	1-1/4"	3/8"
GBB-7589	1-1/8"	12-3/4"	4-1/2"	1-3/8"	7/16"
GBB-7590	1-3/16"	13-3/4"	5"	1-5/8"	1/2"
GBB-7591	1-1/4"	18"	7"	1-3/4"	5/8"
GBB-7592	1-3/8"	20"	8"	1-7/8"	3/4"
GBB-7593	1-1/2"	22"	9"	2"	7/8"
GBB-7594	1-3/4"	24"	10"	2-1/2"	1"

189

ROUND TOOL HOLDERS

Double Ended

- A useful tool to hold round tool steel.
- 1 Holder allows 2 different sizes of round steel to hold.



Cat No	Suitable For Tool Dia	Holder Size
GTH-0013	5 & 6mm	8x8x60mm
GTH-0014	8 & 10mm	12x12x80mm
GTH-0015	10 & 12mm	20x20x110mm

190

MINI THREADING & BORING TOOL SET

4Pc

Cat No	Shank Size	Contents
GBB-7667	6 x 95mm	1 x Boring Tool
		1 x Threading Tool 55°
		1 x Threading Tool 60°
		1 x Sq. Tool Holder (8mm x 60mm)
		1 x Boring Tool
GBB-7668	8 x 140mm	1 x Threading Tool 55°
		1 x Threading Tool 60°
		1 x Sq. Tool Holder (10mm x 70mm)



- Ideal for mini Lathes.
- Made of High Speed Steel for increased production, finer and smoother cuts.
- A holder is provided to hold the tools.

191 TIN SNIP CUTTER

Cat No	Size
GTC-2021	8"/200mm
GTC-2022	10"/250mm
GTC-2023	12"/300mm



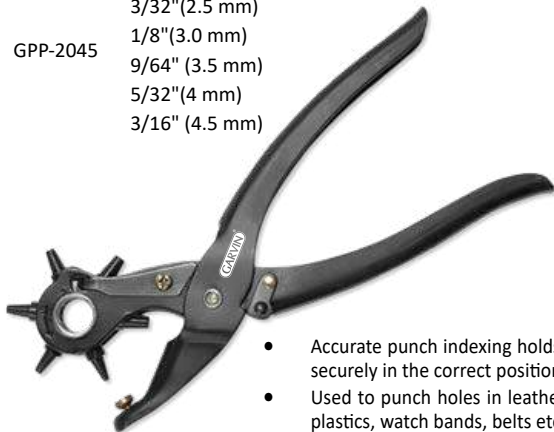
192 TOWER PINCER

Cat No	Size
GTP-2024	8"/200mm
GTB-2025	9"/225mm



193 REVOLVING PUNCH PLIER

Cat No	Sizes
GPP-2045	5/64" (2 mm)
	3/32" (2.5 mm)
	1/8" (3.0 mm)
	9/64" (3.5 mm)
	5/32" (4 mm)
	3/16" (4.5 mm)



- Accurate punch indexing holds punches securely in the correct position.
- Used to punch holes in leather, canvas, plastics, watch bands, belts etc.
- Spring loaded revolving head With 6 sizes.

194 SCREW EXTRACTOR SET 5 Pc

Cat No	Diameter
GSE-2046	3-6mm
	6-18mm
	8-11mm
	11-14mm
	14-18mm



- Each of the screw extractors will easily extract stubborn, rusted, cracked, damaged or stripped screws, studs, bolts, fastener or nut, and more. Spiral and featuring a pointing tip will firmly embed the extractor into the damaged screws or others for extra resistance and ideal gripping power for easier removal.

195 TURRET HEAD QUICK CHANGE TAIL STOCK 3 Head

Cat No	Size
GTS-0595	MT-2



- 1 x Drill sleeve MT2-3.
- 1 x 13mm drill chuck with key.
- 1 x Live centre.
- 1 x Die holder 13/16".

196 TURRET HEAD QUICK CHANGE TAIL STOCK 4 Head

Cat No	Size
GTS-0596	MT-2



- 1 x Drill sleeve MT2-3.
- 2 x 13mm drill chuck with key.
- 1 x Live centre.
- 1 x Die holder 13/16".

197

THREAD REPAIRING KIT METRIC

METRIC



Cat No	STI Tap	HSS Drill	Insertion Tool	Tang Breaker	No. of Helical Inserts
GTR-2100	2x0.4	2.1mm	No. 2	No. 2	20
GTR-2101	2.5x0.45	2.6mm	No. 3	No. 3	20
GTR-2102	3x0.5	3.2mm	No. 4	No. 4	20
GTR-2103	3.5x0.6	3.7mm	No. 5	No. 5	20
GTR-2104	4x0.7	4.2mm	No. 6	No. 6	20
GTR-2105	5x0.8	5.2mm	No. 8	No. 8	25
GTR-2106	6x1.0	6.3mm	No. 9	No. 9	25
GTR-2107	7x1.0	7.3mm	No. 10	No. 11	20
GTR-2108	8x1.25	8.3mm	No. 11	No. 11	20
GTR-2109	8x1.0	8.3mm	No. 11	No. 11	20
GTR-2110	9x1.25	9.3mm	No. 12	No. 12	15
GTR-2111	10x1.5	10.4mm	No. 13	No. 13	20
GTR-2112	10x1.25	10.3mm	No. 13	No. 13	15
GTR-2113	10x1.0	10.3mm	No. 13	No. 13	15
GTR-2114	11x1.5	11.4mm	No. 14	No. 14	10
GTR-2115	12x1.75	12.4mm	No. 15	No. 15	15
GTR-2116	12x1.5	12.4mm	No. 15	No. 15	10
GTR-2117	12x1.25	12.3mm	No. 15	No. 15	10
GTR-2118	12x1.0	12.3mm	No. 15	No. 15	10
GTR-2119	14x2.0		No. 16		15
GTR-2120	14x1.5		No. 16		10
GTR-2121	14x1.25		No. 17		10
GTR-2122	14x1.0		No. 17		10
GTR-2123	16x2.0		No. 18		10
GTR-2124	16x1.5		No. 18		10
GTR-2125	18x2.5		No. 20		5
GTR-2126	18x2.0		No. 20		5
GTR-2127	18x1.5		No. 20		5



METRIC



Cat No	STI Tap	HSS Drill	Insertion Tool	Tang Breaker	No. of Helical Inserts
GTR-2128	20x2.5		No. 21		5
GTR-2129	20x2.0		No. 21		5
GTR-2130	20x1.5		No. 21		5
GTR-2131	22x2.5		No. 22		5
GTR-2132	22x2.0		No. 22		5
GTR-2133	22x1.5		No. 22		5
GTR-2134	24x3.0		No. 23		5
GTR-2135	24x2.0		No. 23		5
GTR-2136	24x1.5		No. 23		5

- H.S.S - S.T.I. Taps.
- Stainless Steel Helical Inserts.
- Insertion Tool.
- Tang Breaker.
- H.S.S. Twist Drill.
- Ideal for repairing damaged threads in cranks.
- Advised to use with Thread-Locker.

198

THREAD REPAIRING KIT 130 Pcs



Cat No

Size

GTR-2029	M5, M6, M8, M10 & M12
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Set Contain the following:

- 5 x STI Tap (1 of each size)
- 5 x HSS Twist Drill (1 of each size)
- 5 x Insertion Tool (1 of each size)
- 5 x Tang Breaker (1 of each size)
- 25 x (M5x0.8) Helical Inserts
- 25 x (M6x1.0) Helical Inserts
- 25 x (M8x1.25) Helical Inserts
- 20 x (M10x1.5) Helical Inserts
- 15 x (M12x1.75) Helical Inserts

199

THREAD REPAIRING KIT BSW

BSW



Cat No	STI Tap	HSS Drill	Insertion Tool	Tang Breaker	No. of Helical Inserts
GTR-2137	1/8x40	3.4mm	No. 4	No. 4	20
GTR-2138	3/16x24	5.0mm	No. 8	No. 8	20
GTR-2139	1/4x20	6.7mm	No. 9	No. 9	20
GTR-2140	5/16x18	8.3mm	No. 10	No. 11	20
GTR-2141	3/8x16	9.9mm	No. 12	No. 12	15
GTR-2142	7/16x14	11.5mm	No. 14	No. 14	10
GTR-2143	1/2x12	13.0mm	No. 15	No. 15	10
GTR-2144	9/16x12		No. 16		10
GTR-2145	5/8x11		No. 18		10
GTR-2146	3/4x10		No. 20		5
GTR-2147	7/8x9		No. 22		5
GTR-2148	1"x8		No. 23		4



200

THREAD REPAIRING KIT BSF

BSF



Cat No	STI Tap	HSS Drill	Insertion Tool	Tang Breaker	No. of Helical Inserts
GTR-2149	3/16x32	5.0 mm	No. 7	No. 6	20
GTR-2150	1/4x26	6.6 mm	No. 9	No. 9	20
GTR-2151	5/16x22	8.3 mm	No. 11	No. 11	20
GTR-2152	3/8x20	9.9 mm	No. 13	No. 13	15
GTR-2153	7/16x18	11.5 mm	No. 14	No. 14	10
GTR-2154	1/2x16	13.0 mm	No. 15	No. 15	10
GTR-2155	9/16x16		No. 16		10
GTR-2156	5/8x14		No. 18		10
GTR-2157	3/4x12		No. 20		5
GTR-2158	7/8x11		No. 22		5
GTR-2159	1"x10		No. 23		4



201

THREAD REPAIRING KIT UNC

UNC



Cat No	STI Tap	HSS Drill	Insertion Tool	Tang Breaker	No. of Helical Inserts
GTR-2160	1/4x20	6.7mm	No. 9	No. 9	20
GTR-2161	5/16x18	8.3mm	No. 10	No. 10	20
GTR-2162	3/8x16	9.9mm	No. 12	No. 12	15
GTR-2163	7/16x14	11.6mm	No. 14	No. 14	10
GTR-2164	1/2x13	13.0mm	No. 15	No. 15	10
GTR-2165	9/16x12		No. 16		10
GTR-2166	5/8x11		No. 18		10
GTR-2167	3/4x10		No. 20		5
GTR-2168	7/8x9		No. 22		5
GTR-2169	1"x8		No. 23		4



202

THREAD REPAIRING KIT UNF

UNF



Cat No	STI Tap	HSS Drill	Insertion Tool	Tang Breaker	No. of Helical Inserts
GTR-2173	1/4x28	6.7mm	No. 9	No. 9	20
GTR-2174	5/16x24	8.3mm	No. 11	No. 11	20
GTR-2175	3/8x24	9.8mm	No. 13	No. 13	15
GTR-2176	7/16x20	11.5mm	No. 14	No. 14	10
GTR-2177	1/2x20	13.0mm	No. 15	No. 15	10
GTR-2178	9/16x18		No. 16		10
GTR-2179	5/8x18		No. 18		10
GTR-2180	3/4x16		No. 21		5
GTR-2181	7/8x14		No. 22		5
GTR-2182	1"x12		No. 23		4
GTR-2183	1"x14		No. 23		4





***PRECISION VICES
ROTARY TABLES***







01

ROTARY TABLE

Horizontal & Vertical - 3" / 75mm



With Chuck

Cat No	Type	Table Dia		Overall Height		T - Slot Width (mm)	Gear Ratio
		Inch	mm	Inch	mm		
GRT-0003	H & V	3	75	1-3/4	45	13	36:1
GRT-0003CK	Rotary Table + Clamping Kit						
GRT-0003C	Rotary Table + 3 Jaw 65mm Self Centring Lathe Chuck + Back Plate						
GRT-0003C4	Rotary Table + 4 Jaw 70mm Independent Lathe Chuck + Back Plate						

02

ROTARY TABLE

Tilting - 3" / 75mm



With Chuck

Cat No	Type	Table Dia		Overall Height		T - Slot Width (mm)	Gear Ratio
		Inch	mm	Inch	mm		
GRT-00T3	TILTING	3	75	2-1/8	55	13	36:1
GRT-00T3CK	Rotary Table + Clamping Kit						
GRT-00T3C	Rotary Table + 3 Jaw 65mm Self Centring Lathe Chuck + Back Plate						
GRT-00T3C4	Rotary Table + 4 Jaw 70mm Independent Lathe Chuck + Back Plate						

03

ROTARY TABLE

Horizontal & Vertical - 4" / 100mm



With Chuck

Cat No	Type	Table Dia		Overall Height		T - Slot Width (mm)	Gear Ratio
		Inch	mm	Inch	mm		
GRT-0004	H & V	4	100	2-1/4	57	13	36:1
GRT-0004CK	Rotary Table + Clamping Kit						
GRT-0004C	Rotary Table + 3 Jaw 65mm Self Centring Lathe Chuck + Back Plate						
GRT-0004C4	Rotary Table + 4 Jaw 70mm Independent Lathe Chuck + Back Plate						

04

ROTARY TABLE

Tilting - 4" / 100mm



With Chuck

Cat No	Type	Table Dia		Overall Height		T - Slot Width (mm)	Gear Ratio
		Inch	mm	Inch	mm		
GRT-00T4	TILTING	4	100	2-5/8	67	13	36:1
GRT-00T4CK	Rotary Table + Clamping Kit						
GRT-00T4C	Rotary Table + 3 Jaw 65mm Self Centring Lathe Chuck + Back Plate						
GRT-00T4C4	Rotary Table + 4 Jaw 70mm Independent Lathe Chuck + Back Plate						

05

ROTARY TABLE

Tilting - 4" / 100mm



Cat No	Type	Table Dia		Overall Height		T - Slot	Gear Ratio	Center Sleeve	Vertical Center Height
		Inch	mm	Inch	mm	Width (mm)			
GRT-004T	TILTING	4	100	2-1/2	66	14	72:1	MT-2	85mm
GRT-004TC	Rotary Table + Clamping Kit								
GRT-004TT	Rotary Table + Clamping Kit + Tailstock								

- Can be Tilted from 0 to 180°.
- Engage & Disengage Function for manual indexing.

06

ROTARY TABLE

Horizontal & Vertical - 4-3/8" / 110mm



Cat No	Type	Table Dia		Overall Height		Vertical Center Height mm	T - Slot Width (mm)	Gear Ratio	Center Sleeve
		Inch	mm	Inch	mm				
GRT-HV04	H & V	4-3/8	110	3-1/8	80	86	17	90:1	MT-2
GRT-HV04C	Rotary Table + Clamping Kit								
GRT-HV04S	Rotary Table + Dividing Plate Set								
GRT-HV04ST	Rotary Table + Dividing Plate Set + Tailstock								

- Engage & Disengage Function for manual indexing.

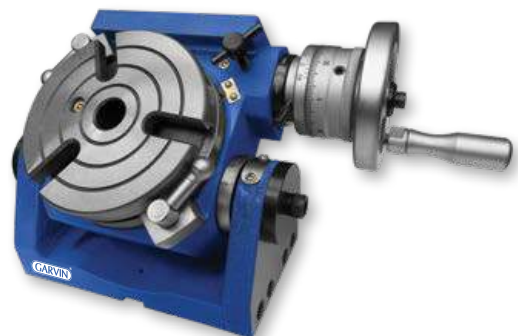
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ROTARY TABLE

Tilting - 4-3/8" / 110mm

Cat No	Type	Table Dia		Overall Height		Vertical Center Height mm	T - Slot Width (mm)	Gear Ratio	Center Sleeve
		Inch	mm	Inch	mm				
GRT-HV04T	TILTING	4-3/8	110	5	126	84	17	90:1	MT-2
GRT-HV04TC	Rotary Table + Clamping Kit								
GRT-HV04TD	Rotary Table + Dividing Plate Set								
GRT-HV04TT	Rotary Table + Dividing Plate Set + Tailstock								

- Can be Tilted from 0 to 180°.
- Engage & Disengage Function for manual indexing.



08

ROTARY TABLE

Horizontal & Vertical
6" / 150mm



Cat No	Type	Table Dia		Overall Height		Vertical Center Height mm	T - Slot Width (mm)	Gear Ratio	Center Sleeve
		Inch	mm	Inch	mm				
3 SLOT									
GMT-0213	H & V	6	150	3-1/4	80	102	16	90:1	MT-2
GMT-0213C	Rotary Table + Clamping Kit								
GMT-0220	Rotary Table + Dividing Plate Set								
GMT-0213S	Rotary Table + Dividing Plate Set + Tailstock								
4 SLOT									
GMT-2134	H & V	6	150	3-1/4	80	102	16	90:1	MT-2
GMT-2134C	Rotary Table + Clamping Kit								
GMT-0224	Rotary Table + Dividing Plate Set								
GMT-2134S	Rotary Table + Dividing Plate Set + Tailstock								
● Engage & Disengage Function for manual indexing.									

- Engage & Disengage Function for manual indexing.

09

ROTARY TABLE

Tilting

Cat No	Type	Table Dia		Overall Height		Vertical Center Height mm	T - Slot Width (mm)	Gear Ratio	Center Sleeve
		Inch	mm	Inch	mm				
GMT-213T	TILTING	6	150	5	125	97	16	90:1	MT-2
GMT-213C	6" Rotary Table + Clamping Kit								
GMT-213D	6" Rotary Table + Dividing Plate Set								
GMT-213TS	6" Rotary Table + Dividing Plate Set + Tailstock								
GMT-0216	TILTING	8	200	7	175	155	24	90:1	MT-3



- Can be Tilted from 0 to 180°.
- Engage & Disengage Function for manual indexing.

10

ROTARY TABLE

Horizontal & Vertical

- Engage & Disengage Function for manual indexing.



Cat No	Type	Table Dia		Overall Height		Vertical Center Height mm	T - Slot Width (mm)	Gear Ratio	Center Sleeve
		Inch	mm	Inch	mm				
3 SLOT									
GMT-0214	H & V	8	200	4-1/4	108	135	24	90:1	MT-3
GMT-0214C	Rotary Table + Clamping Kit								
GMT-0221	Rotary Table + Dividing Plate Set								
GMT-214S	Rotary Table + Dividing Plate Set + Tailstock								
4 SLOT									
GMT-0215	H & V	8	200	4-1/4	108	135	24	90:1	MT-3
GMT-0215C	Rotary Table + Clamping Kit								
GMT-0222	Rotary Table + Dividing Plate Set								
GMT-215S	Rotary Table + Dividing Plate Set + Tailstock								
6 SLOT									
GMT-0231	H & V	10	250	5-1/4	132	166	24	90:1	MT-3
GMT-0232	Rotary Table + Dividing Plate Set + Tailstock								

11

ADJUSTABLE TAILSTOCK

For Rotary Tables



Cat No	Adj. Height (Min - Max)
GTS-0005	39-95mm

Suitable for following Rotary Tables

- GRT-0003 / GRT-00T3 / GRT-0004 / GRT-00T4



Cat No	Adj. Height Min - Max	
	Inch	mm
GTS-0004	3.1/4 - 4.1/4	78-107

Suitable for following Rotary Tables

- GRT-HV04 / GRT-HV04T / GMT-0213 / GMT-2134 / GMT-213T



Cat No	Height	
	Inch	mm
GTS-0002	1.1/2 - 2.1/2	38-63

Suitable for following Rotary Tables

- GRT-004T / GRT-0003 / GRT-00T3 / GRT-0004 / GRT-00T4



Cat No	Adj. Height (Min - Max)	
	Inch	mm
GTS-0003	3-4	75-100

Suitable for following Rotary Tables

- GRT-0004 / GRT-00T4 / GRT-004T



Cat No	Adj. Height (Min - Max)	
	Inch	mm
GTS-0008	4-3/8 - 6	110-153

Suitable for following Rotary Tables GMT-0214 / GMT-0215

GTS-0010 6-7.3/8 150-185

Suitable for GMT-0231 (250mm)

12

RAPID INDEXER

Horizontal & Vertical



- Gear Ratio 24:1
- Manufactured from closed grained cast iron.
- 3 Jaw Self Centring Lathe Chuck Included.

Cat No	Base Dimension	Center Height	3 Jaw Chuck
GRI-1010	120 x 120 x 62mm	65mm	80mm
GRI-1011	145 x 145 x 62mm	80mm	100mm
GRI-1012	160 x 160 x 62mm	85mm	125mm

13

DIVIDING PLATE SETS

For Rotary Tables



Cat No
GDP-0005

No. Of Holes of Dividing Plates are as follows :

Plate 'A' - 15, 16, 17, 18, 19, 20

Plate 'B' - 21, 23, 27, 29, 31, 33

Plate 'C' - 37, 39, 41, 43, 47, 49

Comes Complete with Washers, Crank Handle & Screws.

Suitable for following Rotary Tables

- GRT-HV04 / GRT-HV04T / GMT-0213 / GMT-2134 / GMT-213T



Cat No	Suitable
GDP-0006	GMT-0214 / GMT-0215 (8"/200mm)
GDP-0007	GMT0231 (10"/250mm)

No. Of Holes of Dividing Plates are as follows :

Plate 'A' - 26,30,34,38,41,44,47,51,57,28,32,37,39,43,46,49,53,59

Plate 'B' - 61,69,71,77,81,87,91,97,63,67,73,79,83,89,93,99

Comes Complete with Washers, Crank Handle & Screws.

14

LATHE CHUCKS

Self Centering



Cat No	Dia		Mounting Thread	
	Inch	mm		
GLC-8239	2	50	M14	Suitable for following Rotary Tables • GRT-0003 / GRT-00T3 / GRT-0004 / GRT-00T4
GLC-8241	2-1/2	65	M14	

15

LATHE CHUCKS

Independent



Cat No	Dia		Mounting Thread	
	Inch	mm		
GLC-8243	2-3/4	70	M14	Suitable for following Rotary Tables • GRT-0003 / GRT-00T3 / GRT-0004 / GRT-00T4

16

LATHE CHUCKS

Self Centering

Cat No	Dia		
	Inch	mm	
GLC-8229	3.5/32	80	Suitable for following Rotary Tables • GRT-HV04 / GRT-HV04T

Cat No	Dia		
	Inch	mm	
GLC-8230	4	100	Suitable for following Rotary Tables • GMT-0213 / GMT-2134 / GMT-213T
GLC-8244	5	125	



17

BACK PLATES

Steel



Cat No	Dia		Mounting Thread
	Inch	mm	
GRT-BP5514	2-1/4	55	M14
GRT-BP3M14	3-1/4	80	M14

Suitable for following Rotary Tables

- GRT-0003 / GRT-00T3 / GRT-0004 / GRT-00T4

18

BACK PLATES

Aluminium



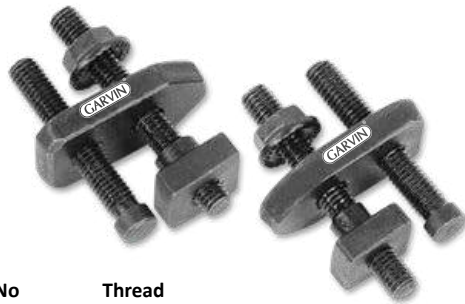
Cat No	Dia		Suitable Lathe Chuck
	Inch	mm	
GBP-0254	4	100	80mm
GBP-0257	6	150	100mm/125mm

Suitable for following Rotary Tables

- **GBP-0254** - GRT-HV04 / GRT-HV04T / GRT-004T
- **GBP-0257** - GMT-0213 / GMT-2134 / GMT-213T

19

CLAMPING KITS



Cat No	Thread
GRT-CT3	M5

Suitable for following Rotary Tables

- GRT-0003 / GRT-00T3



Cat No	Thread	Suitable for Rotary Tables
GCK-0062	M6	GRT-0004 / GRT-00T4 / GRT-004T
GRT-RT6	M8	GRT-HV04 / GRT-HV04T / GMT-0213 / GRT-2134 / GRT-213T
GCK-0064	M10	GRT-0214 / GRT-0215

20

T-NUT

For Rotary Tables



Cat No	Thread	Size
GRT-TN2	M5	12 x 12mm
GRT-TN6	M6	12 x 12mm
GRT-TN8	M8	12 x 12mm
GRT-TN10	M10	19 x 17mm

21

CLAMPING KIT

24 Pc Set



Cat No	Thread	Suitable T-Slot Size
GCK-0067	M6	8mm
GCK-0095	M8	10mm

22

COLLET CHUCK ADAPTER

For Rotary Tables

Cat No	Dia	Collet Type	Suitable For Rotary Table
GBP-ER16	80mm	ER 16	3"/75mm & 4"/100mm
GBP-ER25	80mm	ER 25	3"/75mm & 4"/100mm
GBP-ER32	80mm	ER 32	3"/75mm & 4"/100mm



23

VICE FOR ROTARY TABLES

Cat No	Jaw Length	Jaw Depth	Jaw Opening	Suitable for Rotary Table
GRV-0151	80mm	20mm	40mm	4" / 100mm
GRV-0150	70mm	20mm	28mm	3" / 75mm



24

VERTICAL SLIDE

Fixed



Cat No	Table Size mm	T-Slot	Travel
GVS-0121	125 x 100	3 x 16mm	80mm

25

VERTICAL SLIDE

Tilt & Swivel



Cat No	Table Size mm	T-Slot	Travel
GVS-0122	125 x 100	3 x 16mm	80mm

26

VERTICAL SLIDE

Mini



Cat No	Table Size	T-Slot	Travel	Jaw Opening
GVS-0123	90 x 50mm	9mm	70mm	65mm

27

VICE FOR VERTICAL SLIDES



Cat No	Jaw Length	Jaw Depth	Jaw Opening	Overall Length
GMV-0112	45mm	35mm	30mm	135mm

- Extra Jaw provided which helps to hold work piece in different angles.
- 4 Slots provided for mounting on Vertical Slide both Fixed & Swivel.

28

VICE FOR VERTICAL SLIDE

Mini

Cat No	Jaw Length	Jaw Depth	Jaw Opening
GMV-0134	2" / 50mm	18mm	50mm

- 4 Holes provided for mounting on Mini Vertical Slide.



29

MILLING MACHINE VICE



SWIVEL BASE

Cat No	Jaw Width		Jaw Opening		Jaw Depth	
	Inch	mm	Inch	mm	Inch	mm
GMV-0105	2	50	2	50	1	25
GMV-0109	3	75	3	75	1-1/4	33
GMV-0106	4	100	4	100	1-1/2	38
GMV-0107	5	125	5	125	2	50
GMV-0108	6	150	6	150	2-1/8	53

FIXED BASE

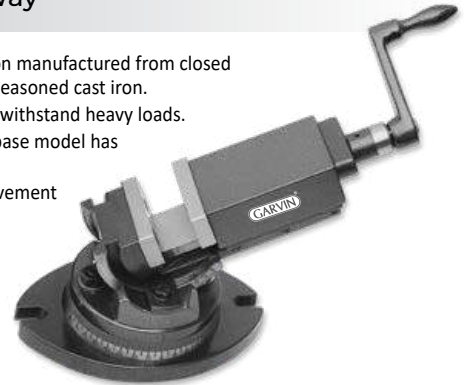
Cat No	Jaw Width		Jaw Opening		Jaw Depth	
	Inch	mm	Inch	mm	Inch	mm
GMV-0100	2	50	2	50	1	25
GMV-0104	3	75	3	75	1-1/4	33
GMV-0101	4	100	4	100	1-1/2	38
GMV-0102	5	125	5	125	2	50
GMV-0103	6	150	6	150	2-1/8	53

- Manufactured from closed grain high tensile seasoned cast iron.
- Horizontal swivel base model has 360° graduations.
- Jaws are hardened and ground.
- Vice can be set at any angle along with the vertical axis.

30

MILLING MACHINE VICE 2 Way

- Robust construction manufactured from closed grain high tensile seasoned cast iron.
- Positive locking to withstand heavy loads.
- Horizontal swivel base model has 360° graduations.
- Vertical swivel movement 90°
- Jaws are hardened and ground.
- Vice can be set at any angle along with the vertical axis.



TILT & SWIVEL

Cat No	Jaw Width		Jaw Opening		Jaw Depth	
	Inch	mm	Inch	mm	Inch	mm
GTV-0112	2	50	2	50	1	25
GTV-0116	3	75	3	75	1-1/4	33
GTV-0113	4	100	4	100	1-1/2	38
GTV-0118	5	125	5	125	2	50

31

COMPOUND SLIDING VICE

X & Y AXIS

Cat No	Jaw Width		Jaw Opening		Jaw Depth		Height	
	Inch	mm	Inch	mm	Inch	mm	Inch	mm
GCS-0126	3-1/8	80	3	75	1-1/4	32	6	150



- Robust construction manufactured from closed grain high tensile seasoned cast iron.
- Assembled and supplied with Self centring vice & allows self centring for accurate centring of jobs automatically.
- Used for milling, shaping, drilling, grinding.
- Jaws are hardened & ground.
- X Travel 85mm & Y Travel 105mm.

32

UNIVERSAL MACHINE VICE

3 WAY TILT, SWIVEL & ROTATE

Cat No	Jaw Width		Jaw Opening		Jaw Depth	
	Inch	mm	Inch	mm	Inch	mm
GUV-0117	2	50	2	50	1	25
GUV-0118	3	75	3	75	1-1/4	33
GUV-0116	4	100	4	100	1-1/2	38

- Perfect piece of workmanship.
- Job can be held firmly at any desired compound table.
- Low height construction makes these useful even on the most complicated grinding jobs.
- Horizontal swivel base model has 360° graduations allows complete rotation along vertical axis.
- The third angular slide with a moving axis allows for any setting in 3D plane.
- Jaws are hardened and ground.
- Manufactured from closed grain high tensile seasoned cast iron.



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MILLING MACHINE VICE

3 Way

2 WAY TILT & SWIVEL

Cat No	Jaw Width		Jaw Opening		Jaw Depth	
	Inch	mm	Inch	mm	Inch	mm
GTV-0117	2	50	2	50	1	25
GTV-0119	3	75	3	75	1-1/4	33
GTV-0115	4	100	4	100	1-1/2	38
GTV-0120	5	125	5	125	2	50



- Robust construction manufactured from closed grain high tensile seasoned cast iron.
- Positive locking to withstand heavy loads.
- Horizontal swivel base model has 360° graduations.
- Vertical indexing 90°.
- Tilting range 45°.
- Jaws are hardened and ground.
- Vice can be set at any angle along with the vertical axis.

34

SELF CENTRING MACHINE VICE



SWIVEL BASE

Cat No	Jaw Width		Jaw Opening		Jaw Depth	
	Inch	mm	Inch	mm	Inch	mm
GSV-0119	2	50	2	50	1	25
GSV-0118	3	75	3	75	1-1/4	33
GSV-0118A	4	100	4	100	1-1/2	38
GSV-0120	5	125	5	125	2	50
GSV-0118B	6	150	6	150	2-1/8	53

FIXED BASE

Cat No	Jaw Width		Jaw Opening		Jaw Depth	
	Inch	mm	Inch	mm	Inch	mm
GSV-0121	2	50	2	50	1	25
GSV-0122	3	75	3	75	1-1/4	33
GSV-0123	4	100	4	100	1-1/2	38
GSV-0124	5	125	5	125	2	50
GSV-0125	6	150	6	150	2-1/8	53

- Allows self centring for accurate centring of jobs automatically.
- The special design allows accurate setting up of jobs with only a single machine setting.
- A milled slot in the vice base allows for accurate location of the vice on the machine table using rectangular locating nuts.
- Opposite threads for quick and accurate centring.

35

MODULAR MACHINE VICE

Set Of 3 Pc



VICE

TABLE

Cat No	Jaw Width		Jaw Opening		Jaw Depth		Height	
	Inch	mm	Inch	mm	Inch	mm	Inch	mm
GMV-0115	2	50	2	50	1	25	5x4x7/8	125x100x22
GMV-0116	3	75	3	75	1-1/4	32	8x6x1-1/8	200x150x28
GMV-0117	4	100	4	100	1-1/2	38	10x8x1-9/16	250x200x40

- Robust construction manufactured from closed grain high tensile seasoned cast iron.
- Used for milling, shaping, drilling, grinding etc.
- This vice can be replaced by t-slot table provided in the set.
- Tilting movement 0° - 45°
- Horizontal movement 0° - 90°
- Fixed rotary base provide with 360° rotation.
- Jaws are hardened and ground.

36

SELF CENTRING MACHINE VICE

Low Profile

Cat No	Jaw Width		Jaw Opening		Jaw Depth		Height	
	Inch	mm	Inch	mm	Inch	mm	Inch	mm
GSV-0125	2	50	2-3/16	55	1	25	2-1/16	52
GSV-0126	3	75	3-3/16	82	1-3/8	35	2-5/8	68
GSV-0127	4	100	4-3/4	120	1-5/8	40	3-1/8	80

- Allows self centring for accurate centring of jobs automatically.
- A milled slot in the vice base allows for accurate location of the vice on the machine table using rectangular locating nuts.



- Opposite threads for quick and accurate centring.
- The vice is specially useful in applications where the same operation is to be performed on work pieces of varying sizes.

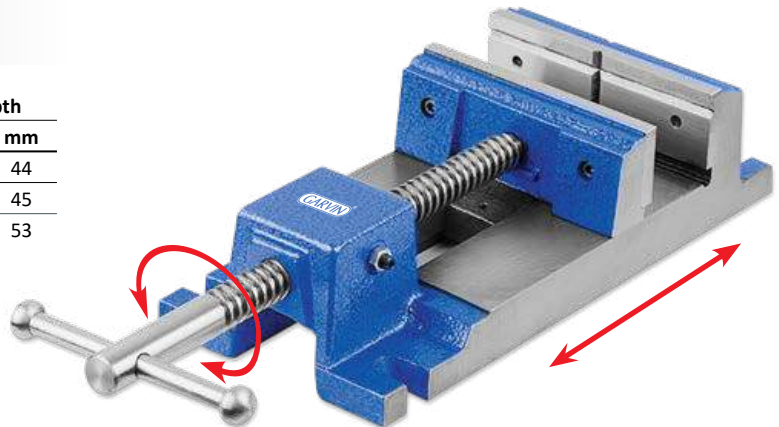
37

DRILL PRESS VICE

Quick Acting

Cat No	Jaw Width		Jaw Opening		Jaw Depth	
	Inch	mm	Inch	mm	Inch	mm
GAV-2100	3-1/2"	90	3-13/16"	96	1-3/4"	44
GAV-2101	4-1/2"	110	4-3/4"	120	1-7/8"	45
GAV-2102	6"	150	6-3/4"	170	2-1/8"	53

- Quick Acting - Half turn of The spindle in anti-clock direction starts the mechanism.
- Manufactured from graded cast iron.
- Grinded Bed for smooth & consistent jaw movement
- Hardened V Groove Jaws.

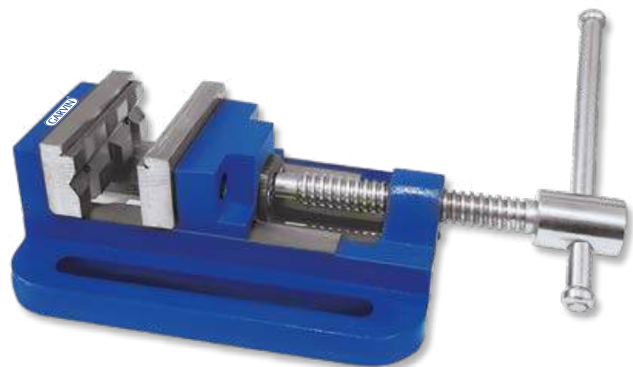


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DRILL PRESS VICE

Long Slots

Cat No	Jaw Width		Jaw Opening		Jaw Depth	
	Inch	mm	Inch	mm	Inch	mm
GPV-0140	3.3/16	80	3.5/16	84	1.3/16	30
GPV-0141	4	100	3.1/2	88	1.5/8	42

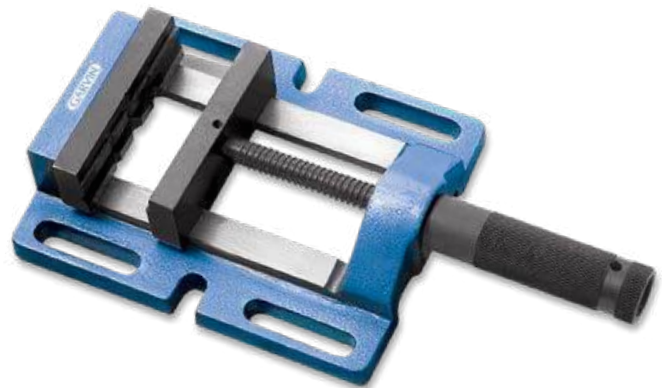


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DRILL PRESS VICE

Unigrip

Cat No	Jaw Width		Jaw Opening		Jaw Depth	
	Inch	mm	Inch	mm	Inch	mm
GPV-0119	3	75	2.3/4	70	1.3/16	30
GPV-0120	4	100	3.1/2	88	1.3/16	30
GPV-0121	5	125	4.3/4	120	1.3/8	35



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DRILL PRESS VICE

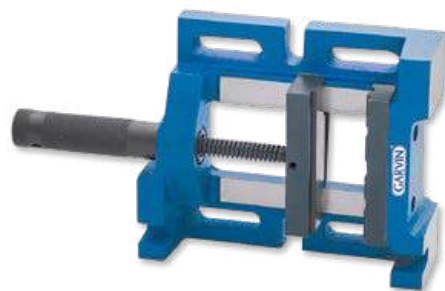
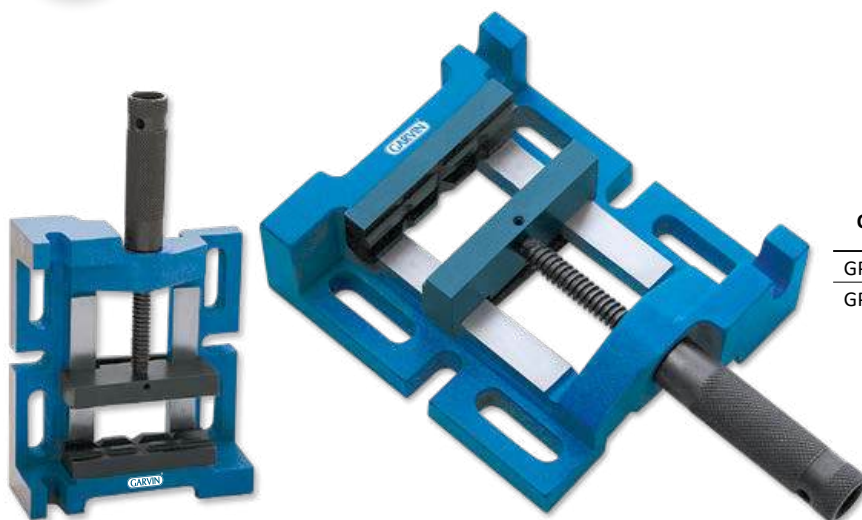
Industrial

Cat No	Jaw Width		Jaw Opening		Jaw Depth	
	Inch	mm	Inch	mm	Inch	mm
GPV-0126	2	45	2.3/4	45	1"	24
GPV-0127	3	75	3	75	1-3/8	35
GPV-0128	4	100	4	100	1-1/2	40
GPV-0129	5	125	5	125	1-3/4	45



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DRILL PRESS VICE UNIGRIP 3 WAY



Cat No	Jaw Width		Jaw Opening		Jaw Depth	
	Inch	mm	Inch	mm	Inch	mm
GPV-0125	3	75	2.3/4	70	1.3/16	30
GPV-0122	4	100	3.3/4	95	1.3/16	30

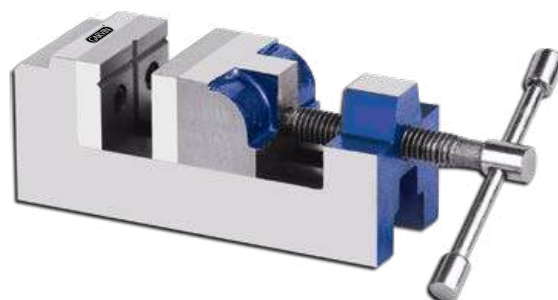
- This Vice is equipped with convenient unigrip mechanism.
- Spindle moves inside the hollow hand grip allowing the vice to be used at location away from the table edge.
- The 3-Way vice is available with 3 mounting options.

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DRILL PRESS VICE

Cat No	Jaw Width		Jaw Opening		Jaw Depth	
	Inch	mm	Inch	mm	Inch	mm
GPV-0123	1-1/2	38	1-1/2	38	7/8	22
GPV-0124	2-1/2	63	2-1/2	63	1-1/2	34
GPV-0125	3	75	3	75	1-3/4	45
GPV-0126	4	100	4	100	1-3/4	45

- Can be used Vertically, Horizontally & longitudinally.
- Manufactured from High Tensile cast Iron.
- Ideal for grinding purpose where different positioning is required.



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DRILL PRESS VICE Heavy Duty

Cat No	Jaw Width		Jaw Opening		Jaw Depth	
	Inch	mm	Inch	mm	Inch	mm
GPV-0130	3.3/16	80	3.27/64	87	1	25
GPV-0131	4	100	4	100	1.1/4	32

- Manufactured from close grained cast iron.
- V - Grooves provided in stable jaws to ensure firm gripping of round jaws.



44

DRILL PRESS VICE Tilting Jaw

Cat No	Jaw Width		Jaw Opening		Jaw Depth	
	Inch	mm	Inch	mm	Inch	mm
GPV-0132	3	75	2-1/2	64	1	35
GPV-0133	4	100	3-1/8	80	1-3/16	31

- Horizontal and Vertical Grooves For Holding Round Stocks.
- Jaws can be tilted at any angle suitable for shape of workpiece to be hold in the jaws.
- Large Knurled Handle allows quick adjustments & includes a bi-positional bar handle for plenty of torque.



45

HINGED PIPE VICE

Cat No	Suitable for Pipe Diameter	
	Inch	mm
GPV-4800	1	25
GPV-4900	1-1/2	38
GPV-5000	2	50
GPV-5001	2-1/2	63
GPV-5002	3	75
GPV-5003	4	100



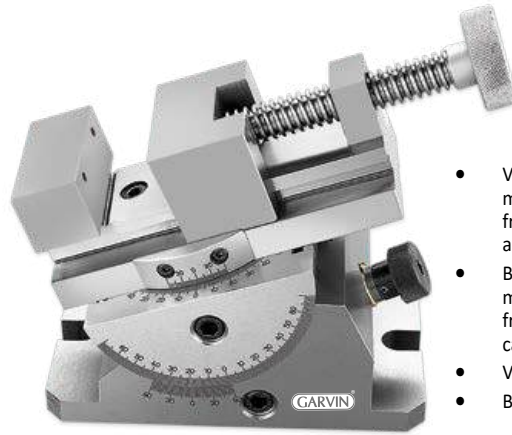
- It is a plumbing tool used to hold pipe or tubing securely so that it can be cut or threaded.
- These are also useful for pipe welding.
- It is a important piece of apparatus in the assembly of pipeline components.

46

GRINDING CONTROL VICE

Precision

Cat No	Jaw Width		Jaw Opening		Jaw Depth		Total Length	
	Inch	mm	Inch	mm	Inch	mm	Inch	mm
GSV-5178	2.3/4	70	3.1/4	82	1.1/4	32	7	175



- Vice manufactured from hardened and ground steel.
- Base manufactured from steel grade cast iron.
- Vice Swivel 360°.
- Base Swivel 45° ±.

47

TOOLMAKERS STEEL VICE

Screw Type

Cat No	Jaw Width		Jaw Opening		Jaw Depth		Total Length	
	Inch	mm	Inch	mm	Inch	mm	Inch	mm
GTV-0132	2-3/8	60	2-3/16	55	1-1/16	23	4-5/16	110
GTV-0133	3	75	3	75	1-9/16	40	7-7/8	200



48

TOOLMAKERS STEEL VICE

Screwless Type

Cat No	Jaw Width		Jaw Opening		Jaw Depth		Total Length	
	Inch	mm	Inch	mm	Inch	mm	Inch	mm
GSV-0134	2	50	3-1/8	80	1-1/16	30	6	150
GSV-0135	3	75	3-3/4	95	1-3/8	35	7	175



- Hardened & Ground Steel Vice.
- The rapid positioning notched allow the vice to be locked at any desired position by allen key.
- V-Groves in jaws facilitates holding of round jobs.

49

SINE VICE

Pin Type

Cat No	Jaw Width mm	Jaw Depth mm	Max Opening mm	Overall Length mm	Overall Height mm	Roller Distance mm
GSV-228B	70	60	70	200	95	150



- Manufactured from Hardened & Ground Tool Steel.
- Mounted on Hardened, ground rollers, the vice can be inclined in the desired position with the help of side strap clamp.
- The recess of 1mm depth is made in base plate for minute angle adjustment.

50

STEEL BENCH VICE

Cat No Fixed Base	Cat No Swivel Base	Jaw Width Inch	Jaw Opening Inch
GBV-0138	GBV-0143	3	3
GBV-0139	GBV-0144	4	4
GBV-0140	GBV-0145	5	5
GBV-0141	GBV-0146	6	6
GBV-0142	GBV-0147	8	8

- Manufactured from High Tensile Steel Plate.
- Swivel Base provides flexibility for locking at any desired angle by its low profile 360°.
- Ideal for Machinist or Craftsmen.



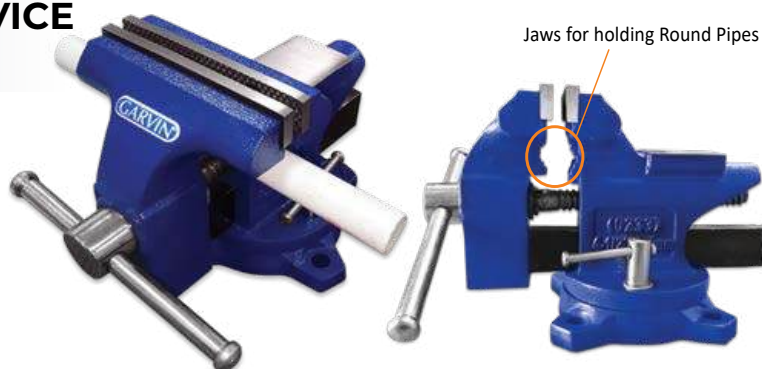
51

WORKSHOP BENCH VICE

240° Swivel Base

Cat No	Jaw Width		Jaw Depth		Jaw Opening	
	Inch	mm	Inch	mm	Inch	mm
GBV-0233	4-1/2	115	2-5/8	66	3	75

- Manufactured from steel grade cast iron.
- Can also hold round pipes from 1/2" to 1-3/4".
- A choice of every Workshop / Garage / D.I.Y.
- Weight 4.5Kg / 9 lbs.



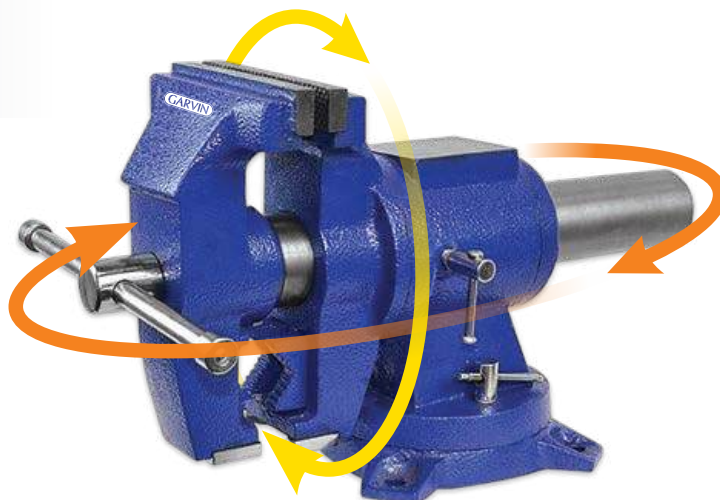
52

BENCH VICE

Multipurpose Rotating

Cat No	Jaw Width		Jaw Depth		Jaw Opening	
	Inch	mm	Inch	mm	Inch	mm
GBV-2041	4	100	3.5/32	80	4	100
GBV-2042	5	130	3.5/32	80	5	130
GBV-2043	6	150	3.5/32	80	6	150

- Rotating Head.
- Hardened Steel Jaws - Replaceable.
- Integrated Pipe Jaws.
- Swivel Base.
- Hardened Steel Anvil.
- Manufactured from steel grade cast iron.



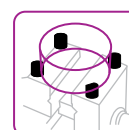
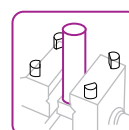
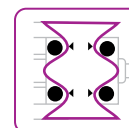
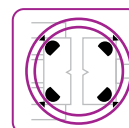
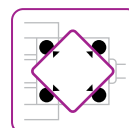
53

BENCH & DRILL PRESS VICE

Multi-Function

Cat No	Jaw Width		Jaw Depth		Jaw Opening	
	Inch	mm	Inch	mm	Inch	mm
GBV-0157	3	75	1.3/4	45	3.3/4	95

- Manufactured from steel grade cast iron.
- 1/4" - 3" Pipe Jaw Capacity.
- 6" Pipe Capacity using 4 Pins.
- 3" (75mm) square Anvil.
- 4 Pins for Gripping Odd Shape Pc.



54

ENGINEER'S BENCH VICE



Cat No Fixed Base	Cat No Swivel Base	Jaw Width		Jaw Depth		Jaw Opening	
		Inch	mm	Inch	mm	Inch	mm
GBV-0154	GBV-0155	2-1/2	63	5/8	16	3-3/8	85
GBV-0148	GBV-0153	3	75	2	50	4	100
GBV-0149	GBV-0229	4	100	2-3/16	55	5	130
GBV-0150	GBV-0230	5	125	2-3/4	70	5-3/4	145
GBV-0151	GBV-0231	6	150	3-1/8	80	6-1/4	160
GBV-0152	GBV-0232	8	200	4	100	8-1/4	210
GBV-0200	GBV-0200S	10	250	4	100	10	250
GBV-0201	GBV-0201S	12	300	4	100	12	300

- Manufactured from shock resisting cast iron, free from sand holes, pits, blow holes, scratch and other imperfection.
- Unbreakable malleable steel nut for extra tuff grip.
- Jaws manufactured from special carbon steel, properly heat-treated grinded and serrated to ensure a fast non-slip grip.
- SWIVEL BASE specially designed having three holes for mounting.
- Rotates through 360° on base & can be locked positively at any position.

55

OFFSET JAW VICE



Cat No	Jaw Width		Jaw Opening	
	Inch	mm	Inch	mm
GOV-0132	4	100	4-3/4	120
GOV-0134	6	150	7	175
GOV-0135	8	200	8	200

- Robust construction manufactured from closed grain high tensile seasoned cast iron.
- The jaws provided in this vice holds heavy and long workpieces without any obstruction from the slide.

57

BABY VICE Revolving Base



360° REVOLVING
BASE

Cat No	Jaw Width	
	Inch	mm
GBV-0086	1-1/4	32
GBV-0087	1-1/2	40
GBV-0088	2	50
GBV-0089	2-1/2	60
GBV-0090	3	75

56

BABY VICES



SWIVEL BASE

FIXED BASE

- Compact & Ideal Vice for DIY Enthusiasts & Model Makers & also used in light duty jobs.
- Manufactured from high-grade casting.
- Vices are enameled finished and chromed handle and screw.

Cat No Fixed Base	Cat No Swivel Base	Jaw Width	
		Inch	mm
GBV-0154F	GBV-S159	1-1/4	32
GBV-0155F	GBV-S160	1-5/8	35
GBV-0156F	GBV-S161	2	50
GBV-0157F	GBV-S162	2-3/8	60
GBV-0158F	GBV-S163	3	75

58

BABY VICE Integrated Clamp

Cat No	Jaw Width	
	Inch	mm
GBV-0159	1	25
GBV-0160	1-1/2	38
GBV-0161	2	50
GBV-0162	2-1/2	63
GBV-0163	3	75
GBV-0164	4	100



59

WOOD WORKING VICE



Cat No	Cat No Quick release	Jaw Width	
		Inch	mm
GWV-0165	GWV-0169	6	150
GWV-0166	GWV-0170	7	175
GWV-0167	GWV-0171	8	200
GWV-0168	GWV-0172	9	225

- Manufactured from Close-Grained Cast iron.
- Quick Release type offers the flexibility for quick action to interchange jobs smoothly through its trigger mechanism.

61

UNIVERSAL TILTING TABLE



Cat No	l x w x h		No. of T - Slots
	Inch	mm	
GUT-0183	5 x 4 x 7/8	125 x 100 x 22	2
GUT-0184	8 x 6 x 1-1/8	200 x 150 x 28	3
GUT-0185	10 x 8 x 1-9/16	250 x 200 x 40	3

- Tilting range 0 - 45° each side.
- Horizontal rotation 360°.

60

TILTING TABLE



Cat No	Size		Height	
	Inch	mm	Inch	mm
GTT-0190A	4 x 5	100 x 125	3-1/8	78
GTT-0183	5 x 7	125 x 175	3-3/4	95
GTT-0184	7 x 10	175 x 250	5	125
GTT-0185	10 x 15	250 x 380	6-3/4	170

62

TILTING TABLE Swivel Type



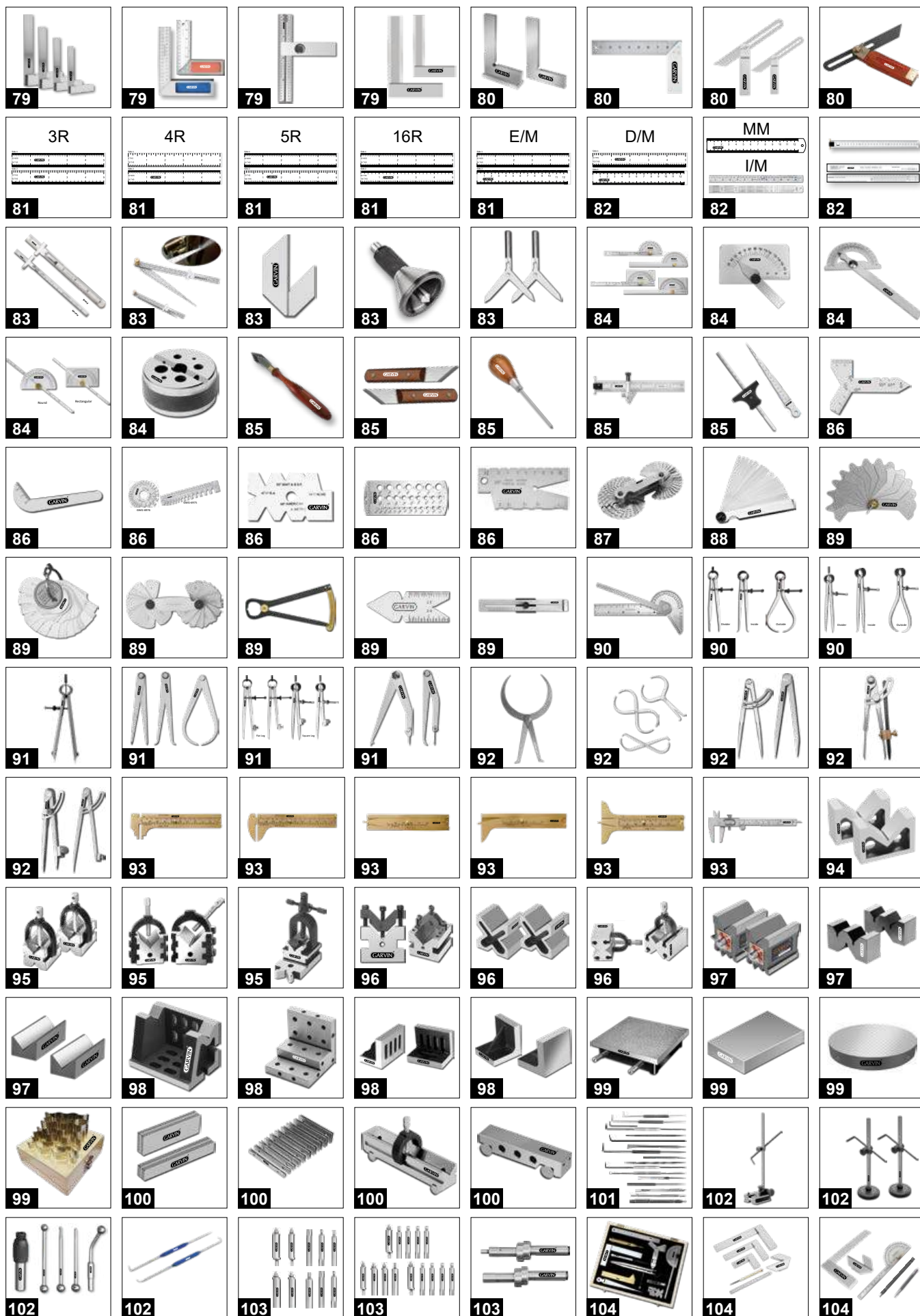
Cat No	Size		Height	
	Inch	mm	Inch	mm
GTT-0186	5 x 6	125 x 150	4-1/2	115
GTT-0187	6 x 8	150 x 200	5	125
GTT-0188	8 x 10	200 x 250	6-1/2	165
GTT-0189	10 x 12	250 x 300	8	200
GTT-0190	12 x 15	300 x 380	9	225

- Manufactured from High Grade Casting.
- Firm locking by screws on each end and angle ranges till 45°.
- SWIVEL MODEL has 0 - 90° range



PRECISION MEASURING & MARKING





01

ENGINEER'S STEEL SQUARES

Cat. No.	Blade Length		Stock Length	
	Inch	mm	Inch	mm
GES-6500	2	50	2.0	50
GES-6501	3	75	2.5	60
GES-6502	4	100	3.0	75
GES-6503	6	150	4.0	100
GES-6504	8	200	5.0	125
GES-6527	9	225	6.0	160
GES-6505	10	250	6.0	160
GES-6506	12	300	8.0	200
GES-6507	18	450	10.0	250
GES-6508	24	600	13.0	330
GES-6509	36	915	17.5	445
GES-6510	4 Pc set of 2", 3", 4", 6"			
GES-6511	4 Pc set of 2", 4", 6" & 8"			
GES-6512	3 Pc set of 4", 6" & 8"			
GES-6513	4 Pc set of 4", 6", 9 & 12"			
GES-6525	2 Pc set of 9" & 12"			
GES-6772	3 Pc set of 2", 3", & 4"			



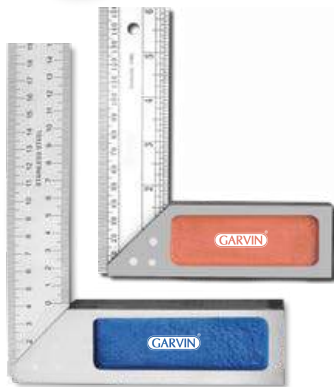
- Hardened spring steel blades are in ground finish.
- Stock is Precision Ground.
- Very Useful tool for workshop engineers.

USAGE



02

CARPENTER'S STEEL SQUARES



Cat. No.	Blade Length	
	Inch	mm
GCS-6531	4	100
GCS-6532	6	150
GCS-6533	8	200
GCS-6534	10	250
GCS-6535	12	300
GCS-6536	16	400

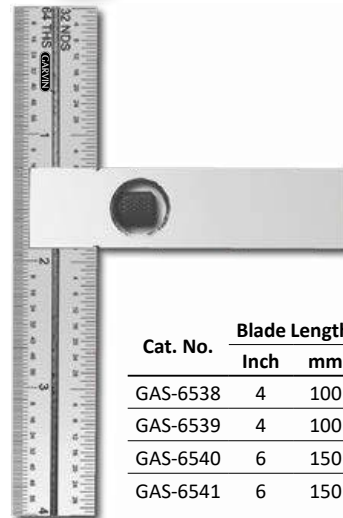
USAGE



- Stock is made of quality casted steel.
- Blades are made of stainless steel.
- Both sides of blades are fine etched with one side.
- Imperial & one side metric graduations. Very useful tool for carpenters.

03

ADJUSTABLE STEEL SQUARES



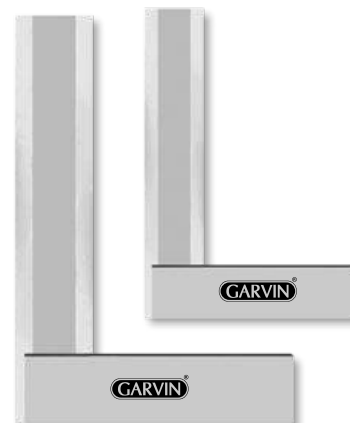
- Blade is Hardened & ground for straightness & parallelism.
- Stock is Precision Ground.
- Blade can be adjusted according to the application with the help of the knurled knob.
- Can be used for many applications as compared to the conventional square, which comes with a fixed stock.

Cat. No.	Blade Length		Style Code
	Inch	mm	
GAS-6538	4	100	E/M 0.5mm, 1mm, 32nds, 64ths
GAS-6539	4	100	4R 8ths, 16ths, 32nds, 64ths
GAS-6540	6	150	E/M 0.5mm, 1mm, 32nds, 64ths
GAS-6541	6	150	4R 8ths, 16ths, 32nds, 64ths

04

BEVELLED EDGE STEEL SQUARES

Cat. No.	Blade Length		Stock Length	
	Inch	mm	Inch	mm
GBS-6545	2	50	1-1/2	38.5
GBS-6546	3	75	2	50
GBS-6547	4	100	2-3/4	70
GBS-6548	6	150	3-13/16	97
GBS-6549	8	200	5-1/8	130
GBS-6550	2 Pc set of 2" & 4"			
GBS-6551	3 Pc set of 4", 6", & 8"			



- Blades bevelled on both sides to make line contact with job.
- Both Blade & Stock is Hardened & ground for straightness & parallelism.
- Sets Supplied in Fine Finished Wooden Boxes.

05

PLATED STEEL SQUARES



WITH BASE	WITHOUT BASE	Size
Cat No	Cat No	(mm)
GES-4120	GES-4130	100 x 70
GES-4121	GES-4131	150 x 100
GES-4122	GES-4132	200 x 130
GES-4123	GES-4133	250 x 165
GES-4124	GES-4134	300 x 200
GES-4125	GES-4135	400 x 230
GES-4126	GES-4136	500 x 330
GES-4127	GES-4137	600 x 330

- Zinc Plated for Rust Prevention.
- Manufactured from Carbon Steel.

06

CONTROL STEEL SQUARES

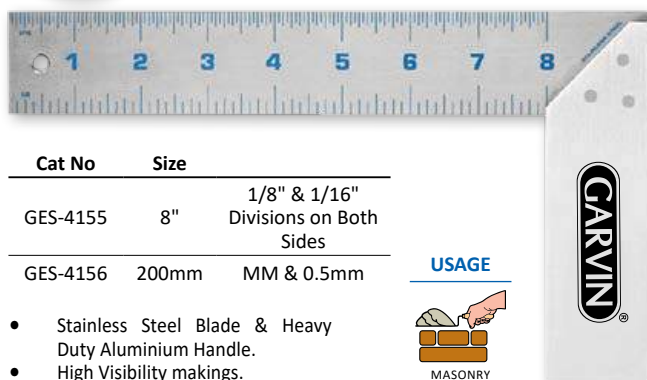


WITH BASE	WITHOUT BASE	Size
Cat No	Cat No	(mm)
GES-4140	GES-4147	50 x 40
GES-4141	GES-4148	75 x 50
GES-4142	GES-4149	100 x 70
GES-4143	GES-4150	150 x 100
GES-4144	GES-4151	200 x 130
GES-4145	GES-4152	250 x 165
GES-4146	GES-4153	300 x 200

- Manufactured from fine quality Carbon Steel.
- Fully Ground Surface.
- As per DIN 875.

07

TRY SQUARE ALUMINIUM



Cat No	Size
GES-4155	8" 1/8" & 1/16" Divisions on Both Sides
GES-4156	200mm MM & 0.5mm

- Stainless Steel Blade & Heavy Duty Aluminium Handle.
- High Visibility markings.

09

SLIDING T-BEVEL WOODEN

Cat No	Size
GSB-4165	3" / 75mm
GSB-4166	7-1/2" / 190mm
GSB-4167	9" / 225mm
GSB-4168	10-1/2" / 265mm



08

SLIDING T-BEVEL ALUMINIUM



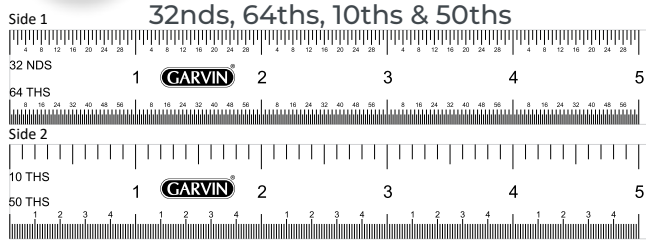
Cat No	Size
GSB-4160	8" / 200mm
GSB-4161	10" / 250mm
GSB-4162	12" / 300mm

- An Adjustable Gauge for setting & transferring angles.
- Stainless Steel Blade & Heavy Duty Aluminium Handle.

10

PRECISION STEEL RULE

STYLE CODE : 3R

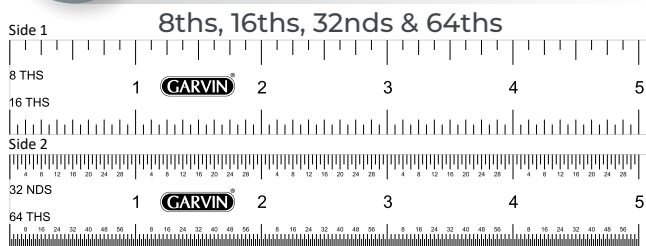


Length	Cat No	Flexible Width	Cat No	Rigid Width
6"	GSR-4001	1/2"	GSR-4008	3/4"
8"	GSR-4002	1/2"	GSR-4009	3/4"
12"	GSR-4003	1/2"	GSR-4010	1"
18"	GSR-4004	3/4"	GSR-4011	1-1/8"
20"	GSR-4005	3/4"	GSR-4012	1-1/8"
24"	GSR-4006	3/4"	GSR-4013	1-1/8"
36" / 1Mtr	GSR-4007	3/4"	GSR-4014	1-1/8"
48"	-	-	GSR-4015	1-1/8"

11

PRECISION STEEL RULE

STYLE CODE : 4R

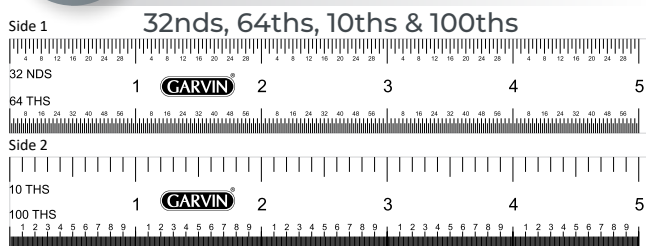


Length	Cat No	Flexible Width	Cat No	Rigid Width
6"	GSR-4020	1/2"	GSR-4027	3/4"
8"	GSR-4021	1/2"	GSR-4028	3/4"
12"	GSR-4022	1/2"	GSR-4029	1"
18"	GSR-4023	3/4"	GSR-4030	1-1/8"
20"	GSR-4024	3/4"	GSR-4031	1-1/8"
24"	GSR-4025	3/4"	GSR-4032	1-1/8"
36" / 1Mtr	GSR-4026	3/4"	GSR-4033	1-1/8"
48"	-	-	GSR-4034	1-1/8"

12

PRECISION STEEL RULE

STYLE CODE : 5R

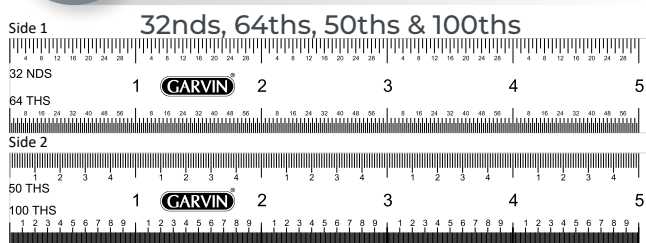


Length	Cat No	Flexible Width	Cat No	Rigid Width
6"	GSR-4001	1/2"	GSR-4008	3/4"
8"	GSR-4002	1/2"	GSR-4009	3/4"
12"	GSR-4003	1/2"	GSR-4010	1"
18"	GSR-4004	3/4"	GSR-4011	1-1/8"
20"	GSR-4005	3/4"	GSR-4012	1-1/8"
24"	GSR-4006	3/4"	GSR-4013	1-1/8"
36" / 1Mtr	GSR-4007	3/4"	GSR-4014	1-1/8"
48"	-	-	GSR-4015	1-1/8"

13

PRECISION STEEL RULE

STYLE CODE : 16R

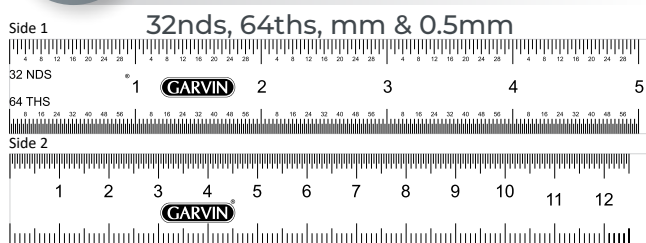


Length	Cat No	Flexible Width	Cat No	Rigid Width
6"	GSR-4050	1/2"	GSR-4057	3/4"
8"	GSR-4051	1/2"	GSR-4058	3/4"
12"	GSR-4052	1/2"	GSR-4059	1"
18"	GSR-4053	3/4"	GSR-4060	1-1/8"
20"	GSR-4054	3/4"	GSR-4061	1-1/8"
24"	GSR-4055	3/4"	GSR-4062	1-1/8"
36" / 1Mtr	GSR-4056	3/4"	GSR-4063	1-1/8"
48"	-	-	GSR-4064	1-1/8"

14

PRECISION STEEL RULE

STYLE CODE : E/M



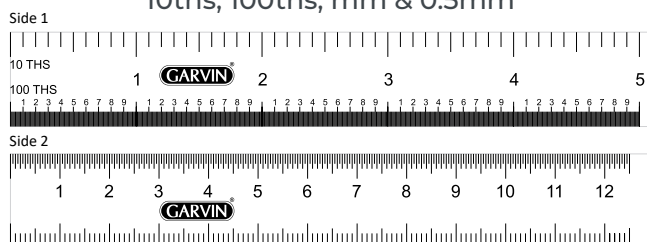
Length	Cat No	Flexible Width	Cat No	Rigid Width
6"	GSR-4065	1/2"	GSR-4072	3/4"
8"	GSR-4066	1/2"	GSR-4073	3/4"
12"	GSR-4067	1/2"	GSR-4074	1"
18"	GSR-4068	3/4"	GSR-4075	1-1/8"
20"	GSR-4069	3/4"	GSR-4076	1-1/8"
24"	GSR-4070	3/4"	GSR-4077	1-1/8"
36" / 1Mtr	GSR-4071	3/4"	GSR-4078	1-1/8"
48"	-	-	GSR-4079	1-1/8"

15

PRECISION STEEL RULE

STYLE CODE : D/M

10ths, 100ths, mm & 0.5mm



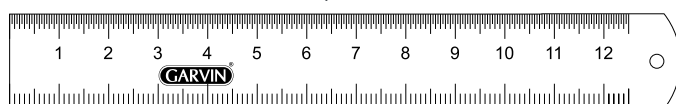
Length	Cat No	Flexible Width	Cat No	Rigid Width
6"	GSR-4080	1/2"	GSR-4087	3/4"
8"	GSR-4081	1/2"	GSR-4088	3/4"
12"	GSR-4082	1/2"	GSR-4089	1"
18"	GSR-4083	3/4"	GSR-4090	1-1/8"
20"	GSR-4084	3/4"	GSR-4091	1-1/8"
24"	GSR-4085	3/4"	GSR-4092	1-1/8"
36" / 1Mtr	GSR-4086	3/4"	GSR-4093	1-1/8"
48"	-	-	GSR-4094	1-1/8"

16

PRECISION STEEL RULE

STYLE CODE : METRIC

mm & 0.5mm, mm & 0.5mm



Length	Cat No	Flexible Width	Cat No	Rigid Width
150mm	GSR-4095	13mm	GSR-4104	20mm
200mm	GSR-4096	13mm	GSR-4105	20mm
300mm	GSR-4097	13mm	GSR-4106	25mm
450mm	GSR-4098	20mm	GSR-4107	28mm
500mm	GSR-4099	13mm	GSR-4108	28mm
600mm	GSR-4101	20mm	GSR-4110	28mm
1000mm	GSR-4102	18mm	GSR-4111	28mm
1000mm	GSR-4103	24mm	GSR-4112	28mm
1200mm	-	-	GSR-4113	28mm

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PRECISION STEEL RULE

Inches, Metric & Deci. Equiv.

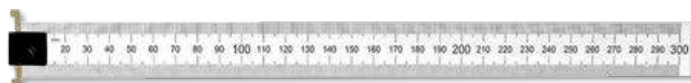


- Manufactured from high quality Stainless Steel.
- Graduations are properly etched for accurate measurements.
- Packed in Attractive jacket of PVC.

Cat No With Conversion Table on Back	Inch	mm	Width
GSR-7006	6	150	3/4" / 20mm
GSR-7007	12	300	1" / 25mm
GSR-7008	18	450	1" / 25mm
GSR-7009	24	600	1" / 25mm
GSR-7009A	36	900	1-1/8" / 28mm
GSR-7009B	39 / 1 Mtr	1000mm	1-1/8" / 28mm
GSR-6977	48	1200mm	1-1/8" / 28mm

18

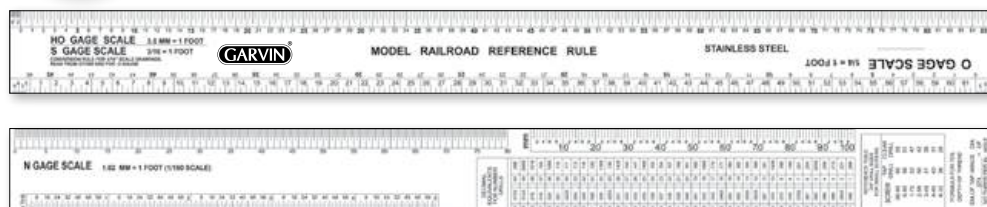
ADJUSTABLE HOOK RULES - STAINLESS STEEL



Cat No	Size	Style Code
GSR-4115	6"	4R
GSR-4116	12"	4R
GSR-4117	18"	4R
GSR-4118	24"	4R
GSR-4119	150mm	METRIC
GSR-4120	300mm	METRIC
GSR-4121	450mm	METRIC
GSR-4122	600mm	METRIC

19

MODEL RAILROAD RULER



Cat No	Length
GSR-4125	12" / 300mm

- Model Railroader Ruler has scale graduations in HO, O, S and N gauge with inch and millimetre calibrations.
- Also included a decimal equivalent chart and reference table on the opposite side.
- A versatile **Stainless Steel Flexible Ruler** for the model railroader. 1 inch wide x 12inch long.

20

POCKET RULES



- Manufactured from high quality Stainless Steel.
- Graduations are properly etched for accurate measurements.
- Packed in Attractive jacket of PVC.

Cat No	Length x Width	Type	Style
GPR-7018	6" x 15/32"	BROAD	32nds, 64ths & DEC. Equiv.
GPR-7019	6" x 15/32" (150 x 12mm)	BROAD	mm, 0.5mm & mm, 0.5mm
GPR-7020	6" x 15/32" (150 x 12mm)	BROAD	E/M - 32nds, 64ths, mm & 0.5mm
GPR-7021	6" x 15/32" (150 x 12mm)	BROAD	10ths, 50ths & mm, 0.5mm
GPR-7016	6" x 1/4"	NARROW	32nds, 64ths
GPR-7017	(150 x 12mm)	NARROW	mm & 16ths

21

WELDING TAPER BORE GAUGE AND STEEL RULER



Cat. No.

GBG-7226

USAGE

- Combination of 1-15mm Bore Gauge + Pocket Rule with Clip MM & 0.5mm Locked with Adjustable Brass Screw.



23

BELL PUNCH CENTER FINDER

Cat. No.	Capacity
GCF-7006	Up to 35mm

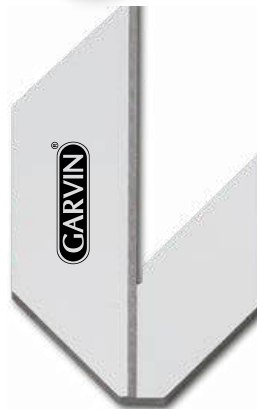
- Bell Punch Easily locates and allows center punching of ends on round stock of up to 35mm.
- Hardened to 48-52 HRC
- A Very Handy Tool if required precise Drilling on Round Bar.

USAGE



22

CENTER FINDER SQUARES



Cat. No.	Description
GSC-7155	1-1/2" (38 mm) diameter
GSC-7156	3" (75 mm) diameter
GSC-7157	2 Pc Set of above 2 Squares
GSC-7158	3 Pc set of above 2 squares & a pocket carbide scriber

24

CENTER FINDERS FOR ROUND BAR



Set pointer to line for center position

Cat. No.	Shank Dia.		Overall Length	
	Inch	mm	Inch	mm
GCF-7005	3/8	9.5	4-1/8	105
GCF-7005A	1/4	6	3	75

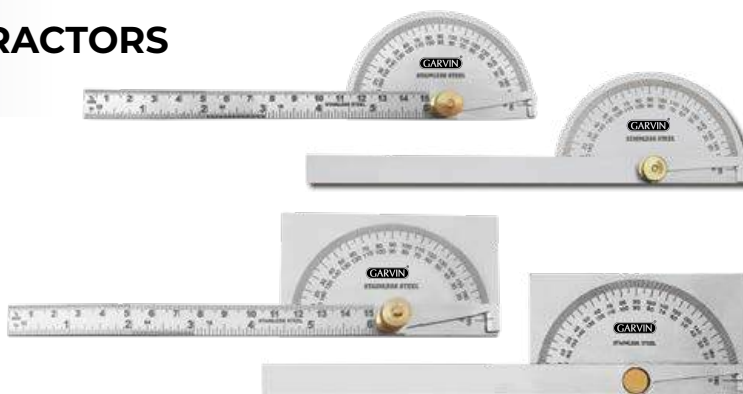
- Very useful instrument to find the centers on any round object.
- Can be fixed in collet or the drill chuck.

25

ANGLE DEGREE PROTRACTORS (0 TO 180°)

Cat. No.	Description
GDP-6920	With Scale & Round Head Brass Nut
GDPR-6921	With Scale & Rectangular Head Brass Nut
GDP-6922	With Round Head Brass Nut
GDPR-6923	With Rectangular Head Brass Nut

- Stainless Steel & polished body.
- Graduations are properly etched to give accurate measurements.
- Move from 0 to 180°.



26

TWIST DRILL GRINDING GAUGE

Cat. No.	Range
GPD-6927	30-160°

- Measures angle of drills up to Ø60mm.
- With adjustable Pointer.
- Stainless Steel.

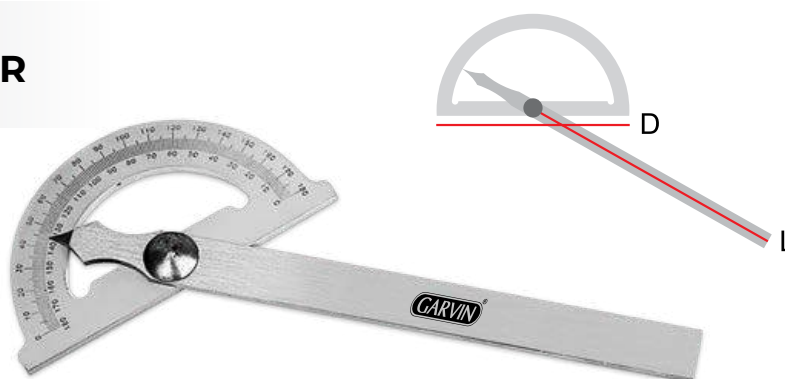


27

STEEL PROTRACTOR

Cat. No.	Diameter (D)	Length (L)
GBP-6940	80 mm	120 mm
GBP-6941	120 mm	150 mm
GBP-6942	150 mm	200 mm
GBP-6943	200 mm	300 mm

- Measures angles from 0-180°.
- With Adjustable Screw.
- Satin Chrome Finish.
- Double Graduation 1°.



28

PROTRACTOR DEPTH GAUGE



Cat. No.	Description	
GPD-6925	Round	• Graduations are properly etched from 0° to 180°.
GDPR-6926	Rectangular	• Very useful instrument for measuring the depths.
		• Scale measurements 6" / 150mm.

29

BENCH BLOCK



USAGE



Cat No	Block Diameter		Block Height		Hole Diameter	
	Inch	mm	Inch	mm	Inch	mm
GBB-7189	3	75	1-1/2	38	1/8 to 5/8	3 to 15

- Useful for holding work while driving pins, drilling etc.
- Hardened & ground knurled body for a easy grip.
- Vee-groove across the face accommodates round & odd shaped stock.
- Recessed base for lightweight.

30

MARKING KNIFE

Striking Knife



USAGE



WOOD WORKING

Cat No	Size Inch
GES-7209	1-1/2 / 38mm

- Marking Knife is widely used by Wood workers for perfect Layout markings prior to Wood cutting.
- Hardened Alloy Steel Makes this Tool More versatile to produce Deeper Markings.
- Bevelled blade on each edge with the point in the middle, this one knife suits either.
- Left or right-handed users and can be used to mark from either direction.
- Hardwood Handle approx 5" for Firmer and comfortable Grip.

31

MARKING KNIFE



USAGE



WOOD WORKING

Cat No	Shape	Width	Length
GES-8051	Left	20mm / 3/4"	150mm/6"
GES-8052	Right	20mm / 3/4"	150mm/6"

- Bevelled on one side.
- High carbon steel Hardened Blade.
- Hardwood handle.

32

SCRATCH AWL

USAGE



WOOD WORKING



Cat No	Size
GSA-5001	6-1/2" / 165mm

- Hardened point for scribing & punching.
- Smooth hardwood polished handle for firm grip.

33

DRILL POINT GAUGE



Cat No

GDP-7166

- For properly grinding 59° drill points and for measuring drill tips.
- Rule and slide are made of steel with satin chrome finish.
- 6" rigid rule is calibrated in 8ths, 16ths, 32nds and 64ths.
- End clip is adjustable and removable.
- Slide is calibrated in 32nds and 64ths.

34

DEPTH GAUGE



- The gauge consists of nicely finished case hardened steel head.
- The angular depth gauge comes with an angle of 30°, 45° & 60°.
- The narrow rule is graduated with one side in Imperials 16ths, 32nds & 64ths and the other side in Millimeters and half miters.

Cat No	Size
GDG-6772	6" / 150mm
GDG-6773	8" / 200mm
GDG-6774	9" / 225mm
GDG-6775	10" / 250mm
GDG-6776	12" / 300mm

35

BORE GAUGES

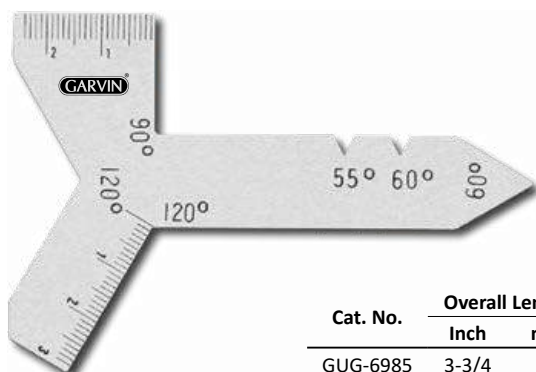


Cat. No.	Size
GBG-6978	1 - 15mm
GBG-7223	15 - 30 mm
GBG-7224	30 - 45 mm
GBG-6979	1/32" - 5/8"

- Manufactured from good quality stainless steel.
- Very useful instrument for measuring bores of cylindrical bores.

36

UNIVERSAL GRINDING GAUGE



Cat. No.	Overall Length	
	Inch	mm
GUG-6985	3-3/4	95

- Manufactured from good quality stainless steel.
- Measures Square & hexagonal angles of 120°, 118°, 90°, 60° & 55°.
- Used as a twist drill gauge & thread gauge.

38

WIRE GAUGES



GWG-6976

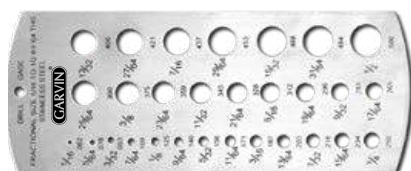
GWG-6975

- Available in S.W.G & A.S.G. Standard.
- Manufactured from stainless steel.
- Very useful for measuring thickness of the wires.

Cat. No.	Description
GWG-6975	Rectangular
GWG-6976	Round
GWG-6974	US STD

40

DRILL GAUGES



Cat. No.	Size
GDG-6555	1/16" - 1/2"
GDG-6556	1 - 13mm
GDG-6557	1 - 60
GDG-6558	A - Z
GDG-6180	61 - 80 (STEEL)
GDG-6562	2 Pc Set 1/16-1/2" & 1-13mm
GDG-6563	3 Pc Set 1/16-1/2", 1-60 & A - Z



- Manufactured from good quality stainless steel.
- Graduations are properly etched for true valuations.
- Used to measure the correct twist drill size range.

37

TWIST DRILL GAUGE



Cat. No.
GDG-7165

- Manufactured from fine quality stainless steel.
- Polished finish.
- Used for twist drills with an angle of 118° up to length of (50mm) / 2".

39

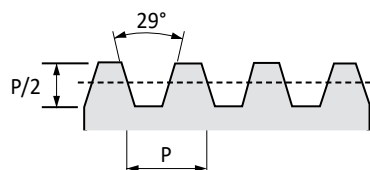
SCREW CUTTING GAUGE



Cat. No.	Overall Length	
	Inch	mm
GSG-7060	2	50

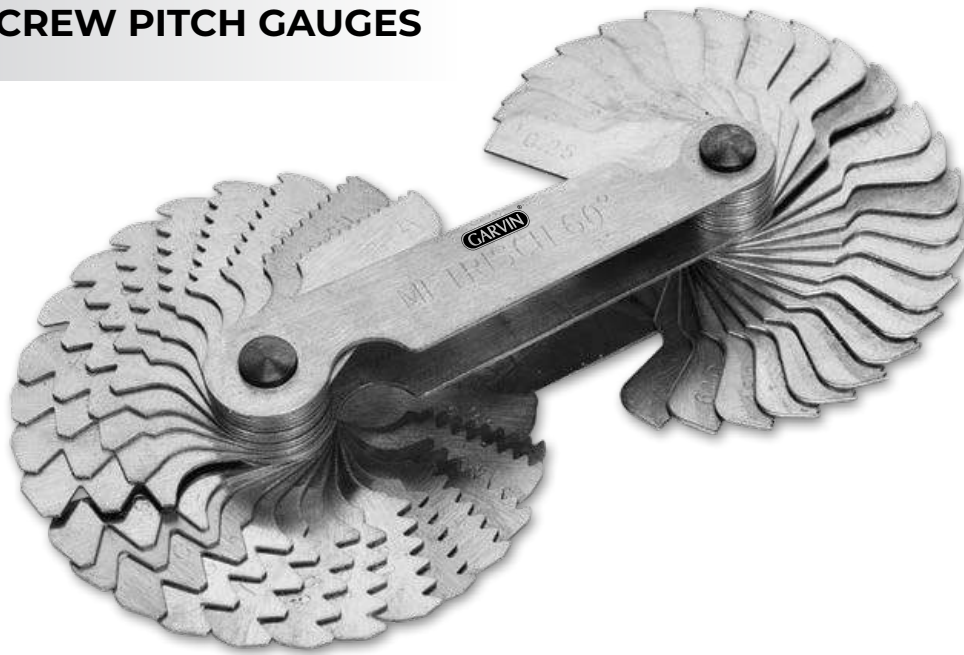
41

ACME GAUGE



Cat. No.
GSG-7061

- Made of Polished Stainless Steel.
- Clearly Etched Graduation.
- Used for Gauging Thread Profiles 47-1/2° British Association, 14-1/2° Acme 60° American.



Cat No	Description	Range	No. of Leaves	Set Combination
GPG-6960	Whit-worth-Thread 55°	4-62	28	4-4.5-5-6-7-8-9-10-11-12-13-14-16-18-19-20-22-24-25-26-28-30-32-36-40-48-60-62
GPG-6958	Metric-Thread 60°	0.4-7.0	20	0.4-0.5-0.7-0.75-0.8-1.0-1.25-1.50-1.75-2.0-2.5-3.0-3.5-4.0-4.5- 5.0-5.5-6.0-6.5-7.0
GPG-6980	Metric-Thread 60°	0.25-6.0	24	0.25-0.30-0.35-0.40-0.45-0.50-0.60-0.70-0.75-0.80-0.90-1.0-1.25-1.50-1.75-2.0-2.5-3.0-3.5-4.0-4.5-5.0-5.5-6.0
GPG-6970	Whit-worth-Pipe Thread 55°	8-28	6	8-10-11-14-19-28
GPG-6971	Whit-worth Metric	4-62 0.4-7.0	48	Whit worth GPG-6960 Metric GPG-6958
GPG-6959	Whit-worth Metric	4-62 0.25-6.0	52	Whit worth GPG-6960 Metric GPG-6980
GPG-6909	Whit-worth-Pipe Metric	4-62 0.25-28	58	Whit worth: 4-62 Metric: 0.25-6 + 8-28
GPG-6961	V-Thread	4-42	31	4-4.5-5-5.5-6-7-8-9-10-11-11.5-12-13-14-15-16-18-20-22- 24-26-27-28-30-32-34-36-38-40-42
GPG-6905	US-Thread 60°	10-40	14	10-11-12-13-14-15-18-20-24-27-28-32-36-40
GPG-6906	US-Thread 60°	4-64	22	4-4.5-5-6-7-8-9-10-11-12-13-14-16-18-20-22-24-32-40-48-56-64
GPG-6907	UNF-Thread 60°	12-80	16	12-14-16-18-20-24-28-32-36-40-44-48-56-64-72-80
GPG-6962	US-Thread 60°	4-84	52	4-4.5-5-5.5-6-7-8-9-10-11-11.5-12-13-14-15-16-17-18-20-22-24-25-27-28-30-32-34-36-38-40-42-44-46-48-50-52- 54-56-58-60-62-64-66-68-70-72-74-76-78-80-82-84
GPG-6901	Metric – ISO 60°	0.5-6.0	18	0.5-0.6-0.7-0.75-0.8-1.0-1.25-1.5-1.75-2.0-2.5-3.0-3.5-4.0-4.5-5.0-5.5-6.0
GPG-6908	Whit worth, metric, ISO	4-62 0.5-6.0	46	GPG-6960 + GPG-6901
GPG-6983	Whit-worth-Thread 55°	4-60	26	4-4.5-5-6-7-8-9-10-11-12-13-14-16-18-19-20-22-24-25-26-28-30-32-36-40-48-60
GPG-6982	Metric – ISO 60°	0.5-7.0	17	0.5-0.6-0.7-0.75-0.8-1.0-1.25-1.5-1.75-2.0-2.5-3.0-3.5-4.0-4.5-5.0-6.0-7.0
GPG-6530	British Association	0-10	11	0-1-2-3-4-5-6-7-8-9-10
GPG-6957	Metric – ISO 60°	0.25-2.5	28	0.25-0.3-0.35-0.4-0.45-0.5-0.55-0.6-0.65-0.7-0.75-0.8-0.85-0.9-1.0-1.1-1.2-1.25-1.3-1.4-1.5-1.6-1.7-1.75-1.8-1.9-2.0-2.5
GPG-6956	V-Thread US Metric 60°	4-42 0.25-6.0	55	V Thread: GPG-6961 Metric: GPG-6980



METRIC

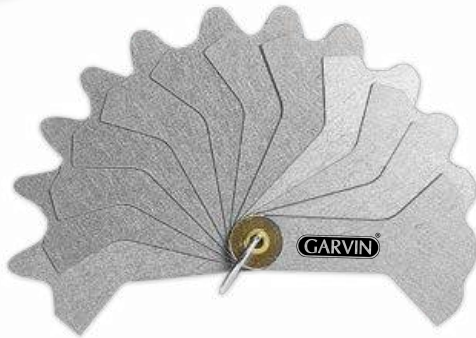
Cat No	Range mm	No. of Leaves	Set Combination	Length
GFG-8000	0.03 – 0.10	8	0.03-0.04-0.05-0.06-0.07-0.08-0.09-0.10	100mm
GFG-8001	0.04 – 0.15	8	0.04-0.05-0.06-0.07-0.08-0.09-0.10-0.15	100mm
GFG-8002	0.05 – 0.50	8	0.05-0.10-0.15-0.20-0.25-0.30-0.40-0.50	100mm
GFG-8003	0.03 – 0.15	9	0.03-0.04-0.05-0.06-0.07-0.08-0.09-0.10-0.15	100mm
GFG-8004	0.05 – 1.00	9	0.05-0.10-0.15-0.20-0.30-0.50-0.60-0.80-1.00	100mm
GFG-8005	0.10 – 1.00	10	0.10-0.20-0.30-0.40-0.50-0.60-0.70-0.80-0.90-1.00	100mm
GFG-8006	0.05 – 1.00	13	0.05-0.10-0.15-0.20-0.25-0.30-0.40-0.50-0.60-0.70-0.80-0.90-1.00	100mm
GFG-8007	0.05 – 1.00	15	0.05-0.10-0.15-0.20-0.25-0.30-0.35-0.40-0.45-0.50-0.60-0.70-0.80-0.90-1.00	100mm
GFG-8008	0.04 – 1.00	18	0.04-0.05-0.06-0.07-0.08-0.09-0.10-0.15-0.20-0.25-0.30-0.40-0.50-0.60-0.70-0.80-0.90-1.00	100mm
GFG-8009	0.05 – 1.00	20	0.05-0.10-0.15-0.20-0.25-0.30-0.35-0.40-0.45-0.50-0.55-0.60-0.65-0.70-0.75-0.80-0.85-0.90-0.95-1.00	100mm
GFG-8010	0.10 – 2.00	20	0.10-0.20-0.30-0.40-0.50-0.60-0.70-0.80-0.90-1.00-1.10-1.20-1.30-1.40-1.50-1.60-1.70-1.80-1.90-2.00	100mm
GFG-8011	0.10 – 0.50	21	0.10-0.12-0.14-0.16-0.18-0.20-0.22-0.24-0.26-0.28-0.30-0.32-0.34-0.36-0.38-0.40-0.42-0.44-0.46-0.48-0.50	100mm
GFG-8012	0.05 – 2.00	21	0.05-0.10-0.20-0.30-0.40-0.50-0.60-0.70-0.80-0.90-1.00-1.10-1.20-1.30-1.40-1.50-1.60-1.70-1.80-1.90-2.00	100mm
GFG-8013	0.03 – 1.00	22	0.03-0.04-0.05-0.10-0.15-0.20-0.25-0.30-0.35-0.40-0.45-0.50-0.55-0.60-0.65-0.70-0.75-0.80-0.85-0.90-0.95-1.00	100mm
GFG-8014	0.03 – 1.00	26	0.03-0.04-0.05-0.06-0.07-0.08-0.09-0.10-0.15-0.20-0.25-0.30-0.35-0.40-0.45-0.50-0.55-0.60-0.65-0.70-0.75-0.80-0.85-0.90-0.95-1.00	100mm
GFG-8015	0.03 – 1.00	32	0.03-0.04-0.05-0.06-0.07-0.08-0.09-0.10-0.12-0.15-0.18-0.20-0.23-0.25-0.28-0.30-0.32-0.35-0.38-0.40-0.45-0.50-0.55-0.60-0.65-0.70-0.75-0.80-0.85-0.90-0.95-1.00	100mm
GFG-8016	0.03 – 3.00	13	0.03-0.04-0.05-0.06-0.07-0.08-0.09-0.10-0.20-0.30-1.00-2.00-3.00	100mm
GFG-8017	0.03 – 0.50	10	0.03-0.04-0.05-0.10-0.15-0.20-0.25-0.30-0.40-0.50	100mm

INCHES

GFG-8301	0.0015" – 0.025"	10	0.0015-.002-.003-.004-.006-.008-.010-.012-.015-.025	100mm
GFG-8302	0.002" – 0.025"	13	0.002-.003-.004-.005-.006-.008-.010-.012-.014-.016-.018-.020-.025	100mm
GFG-8020	0.002" – 0.035"	13	0.002-.003-.004-.005-.006-.008-.010-.012-.015-.020-.025-.030-.035	100mm
GFG-8021	0.002" – 0.035"	20	0.002-.003-.004-.005-.006-.007-.008-.009-.010-.012-.013-.015-.018-.020-.022-.024-.025-.030-.032-.035	100mm
GFG-7130	0.0015" – 0.025"	26	0.0015-.002-.0025-.003-.004-.005-.006-.007-.008-.009-.010-.011-.012-.013-.014-.015-.016-.017-.018-.019-.020-.021-.022-.023-.024-.025	100mm
GFG-8303	0.0015" – 0.025"	26	0.0015-.002-.0025-.003-.004-.005-.006-.007-.008-.009-.010-.011-.012-.013-.014-.015-.016-.017-.018-.019-.020-.021-.022-.023-.024-.025	150mm
GFG-8304	0.0015 – 0.025"	26	0.0015-.002-.0025-.003-.004-.005-.006-.007-.008-.009-.010-.011-.012-.013-.014-.015-.016-.017-.018-.019-.020-.021-.022-.023-.024-.025	300mm

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RADIUS GAUGE / WELD GAUGE

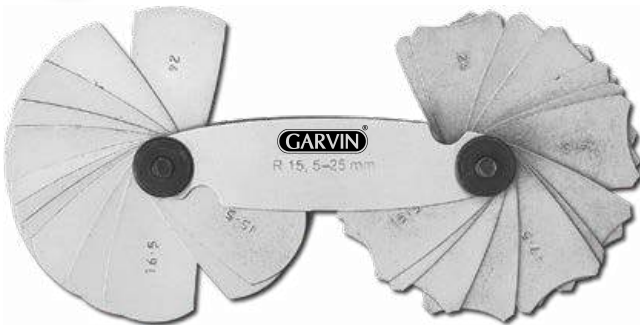


Cat No	Range	No of Leaves
GRG-6974A	3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 8, 10 & 12mm	12

- Manufactured from mild steel.
- For measuring right angle welds.
- 3-12mm (1 complete Set).

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RADIUS GAUGES



Cat No	Range	No of Leaves
GRG-6963	1/32" to 1/4" By 1/64"	30
GRG-6964	17/64" to 1/2" By 1/64"	32
GRG-6965	1 to 7mm	34
GRG-6966	7.5 to 15mm	32
GRG-6967	15.5 to 25mm	30
GRG-6968	0.75 to 5mm By 0.25mm	18
GRG-6969	5.5 to 13mm By 0.5mm	16

- Constructed from good quality steel.
- Each and every leaf is properly marked with size.
- Packed in attractive PVC Jacket.

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RADIUS GAUGES RING TYPE



- Constructed from good quality steel.
- Packed in Attractive PVC Jacket.
- The ring type style allows the user to check the dimensions in an easier manner for both concave & convex radii.

Cat No	Range	No of Leaves
GRG-6970	1/32 to 17/64 by 1/64"	16
GRG-6971	9/32 to 33/64 by 1/64"	16
GRG-6972	0.75 to 5 by 0.25mm	18
GRG-6973	5.5 to 13 by 0.5mm	16
GRG-6974	3 to 12mm by 1mm	12

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DIAMOND THICKNESS GAUGE



Cat. No.	Size / mm
GDG-7080	0 - 10
GDG-7081	0 - 15

- Spring Action between both the legs.
- Very useful tool for measuring the thickness of small things.

48

CENTER GAUGE

Cat. No.	Description
GCG-7063	American Unified National Standard 60°
GCG-7064	Whitworth or English Standard 55°
GCG-7065	2 Pc set of above two.



- Graduations are properly etched to give accurate measurements.
- Scale manufactured of Stainless Steel.
- Marking edge with metric graduations.

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MARKING GAUGE

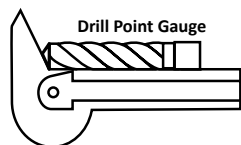
Cat. No.	Range
GMG-7185	200 mm / 8"
GMG-7186	250 mm / 10"
GMG-7187	300 mm / 12"



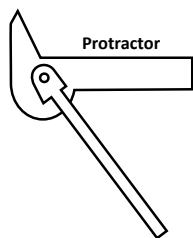
50

MULTI USE RULE & GAUGE

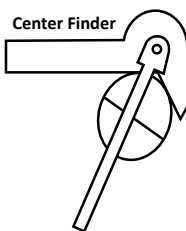
Cat. No.
GMG-7082



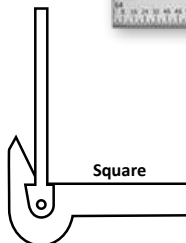
Drill Point Gauge



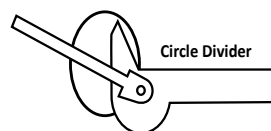
Protractor



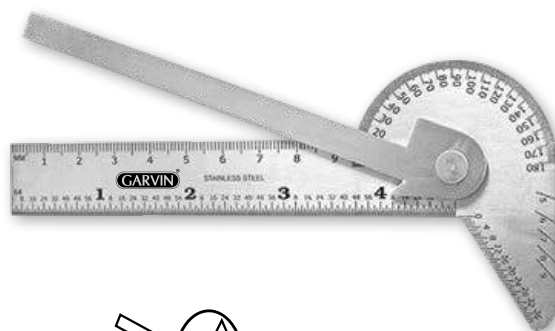
Center Finder



Square



Circle Divider



51

SPRING CALIPERS - FLAT LEG



Divider



Inside



Outside

Divider Cat No	Inside Cat No	Outside Cat No	Nominal Length	
			Inch	mm
GSC-6645	GSC-6657	GSC-6667	3	75
GSC-6646	GSC-6658	GSC-6668	4	100
GSC-6647	GSC-6659	GSC-6669	5	125
GSC-6648	GSC-6660	GSC-6670	6	150
GSC-6649	GSC-6661	GSC-6671	8	200
GSC-6650	GSC-6662	GSC-6672	10	250
GSC-6651	GSC-6655	GSC-6673	12	300
GSC-6652	GSC-6663	GSC-6674	18	450
GSC-6653	GSC-6664	GSC-6675	24	600
GSC-6654	GSC-6665	GSC-6676	36	900
GSC-6677	3 Pc set of 4" Divider, Inside & Outside			
GSC-6678	3 Pc set of 6" Divider, Inside & Outside			
GSC-6679	3 Pc set of 8" Divider, Inside & Outside			

- Made of good quality carbon steel & finely polished legs.
- Comes with quick action release nut & rivets.
- All points are heat treated to give accurate measurements.
- Any other sets can also be supplied on request.

52

SPRING CALIPERS - SQUARE LEG



Divider



Inside



Outside

Divider Cat No	Inside Cat No	Outside Cat No	Nominal Length	
			Inch	mm
GSC-6680	GSC-6691	GSC-6701	3	75
GSC-6681	GSC-6692	GSC-6702	4	100
GSC-6682	GSC-6693	GSC-6703	5	125
GSC-6683	GSC-6694	GSC-6704	6	150
GSC-6684	GSC-6695	GSC-6705	8	200
GSC-6685	GSC-6696	GSC-6706	10	250
GSC-6686	GSC-6697	GSC-6707	12	300
GSC-0001	GSC-0001A	GSC-0001B	16	400
GSC-6687	GSC-6698	GSC-6708	18	450
GSC-6688	GSC-6699	GSC-6709	24	600
GSC-6689	GSC-6700	GSC-6710	36	900
GSC-6690	3 Pc set of 4" Divider, Inside & Outside			
GSC-6690A	3 Pc set of 6" Divider, Inside & Outside			
GSC-6682A	3 Pc set of 8" Divider, Inside & Outside			

- Made of good quality carbon steel.
- Comes with quick action release nut & rivets.
- Points are heat treated to give accurate measurements.
- Very Accurate tool for engineers to use in tool room.
- Any other sets can also be supplied on request.

53

SPRING DIVIDER

Interchangeable Points

Cat No	Size	
	Inch	mm
GSC-6681AI	3	75
GSC-6681I	4	100
GSC-6682I	5	125
GSC-6683I	6	150
GSC-6683AI	7	175
GSC-6684I	8	200
GSC-6685I	10	250
GSC-6686I	12	300
GSC-0060I	20	500

- Manufactured from forged steel.
- Thick square legs.
- Quick release nut.



55

SPRING DIVIDER PENCIL HOLDERS



- Heat treated and polished steel.
- Hardened and tempered spring steel.
- Uses standard pencil.

FLAT LEG		SQUARE LEG		Size	
Single Point Cat No	Double Point Cat No	Single Point Cat No	Double Point Cat No		
GSC-4005	GSC-4010	GSC-4015	GSC-4020	6	150
GSC-4006	GSC-4011	GSC-4016	GSC-4021	8	200
GSC-4007	GSC-4012	GSC-4017	GSC-4022	10	250
GSC-4008	GSC-4013	GSC-4018	GSC-4023	12	300
GSC-4009	GSC-4014	GSC-4019	GSC-4024	18	450

54

FIRM JOINT CALIPERS & DIVIDERS

- Constructed from flat mild steel.
- Riveted head to give rigid position without play.
- Tension can be easily adjusted as desired.
- Any other sets can also be supplied on request.



Divider Cat No	Inside Cat No	Outside Cat No	Nominal Length	
			Inch	mm
GFC-6832	GFC-6844	GFC-6856	4	100
GFC-6833	GFC-6845	GFC-6857	6	150
GFC-6834	GFC-6846	GFC-6858	8	200
GFC-6835	GFC-6847	GFC-6859	10	250
GFC-6836	GFC-6848	GFC-6860	12	300
GFC-6837	GFC-6849	GFC-6861	16	400
GFC-6838	GFC-6850	GFC-6862	18	450
GFC-6839	GFC-6851	GFC-6863	20	500
GFC-6840	GFC-6852	GFC-6864	24	600
GFC-6869D	GFC-6869E	GFC-6869C	32	800
GFC-6841	GFC-6853	GFC-6865	36	900
GFC-6867	3 Pc set of 4" Divider, Inside & Outside			
GFC-6868	3 Pc set of 6" Divider, Inside & Outside			
GFC-6869	3 Pc set of 8" Divider, Inside & Outside			

56

JENNY / HERMAPHRODITE CALIPERS

- Made from good quality mild steel.
- Adjustable point helps to perform the jobs as required.
- Useful for testing centers & distance from the edges.



Cat No #336 Series	Cat No #334 Series	Size	
		Inch	mm
GJC-336A	GJC-334A	4	100
GJC-336B	GJC-334B	6	150
GJC-336C	GJC-334C	8	200
GJC-334D	3 Pc set of 334A, 334B & 334C		
GJC-336D	3 Pc set of 336A, 336B & 336C		

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WOOD WORKING CALIPERS

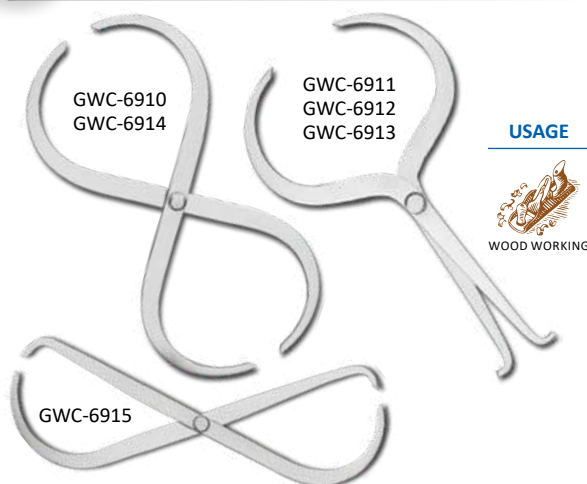
Cat No	Size	
	Inch	mm
GWC-0001	6	150
GWC-0002	8	200
GWC-0003	10	250
GWC-0004	12	300

- Professional quality Caliper manufactured from quality steel.
- Polished Finish.
- Hexagon Screw Hinge for precise measurements.



59

WOOD WORKING CALIPERS



Cat No	Shape	Size	
		Inch	mm
GWC-6910	Double Ended Outside	7	175
GWC-6911	Inside & Outside	9	225
GWC-6912	Inside & Outside	7	175
GWC-6913	Inside & Outside	4	100
GWC-6914	Double Ended Outside	6	150
GWC-6915	Double Ended Outside	6	150

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DIVIDER WITH BRASS PENCIL HOLDER & SCRIBER

USAGE



Cat No	Range	
	Inch	mm
GPC-6882	6	150
GPC-0010	10	250
GPC-0012	12	300

- Carbide tipped scriber included.



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DIVIDERS

Cat No With Wing	Cat No Without Wing	Nominal Size	
		Inch	mm
GWC-6875	GWC-6883	6	150
GWC-6876	GWC-6884	7	175
GWC-6877	GWC-6885	8	200
GWC-6878	GWC-6886	10	250
GWC-6879	GWC-6887	12	300
GWC-6880	GWC-6888	16	400
GWC-6817	GWC-6820	18	450
GWC-6881	GWC-6889	20	500
GWC-6882	GWC-6890	32	800
GWC-6818	GWC-6819	40	1000

- Thick legs with good quality steel & riveted head.
- Very easy to grip the body & balance.
- Hardened & Tempered edges for rigid jobs.



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DIVIDERS WITH PENCIL HOLDERS

Cat No With two points	Cat No With one point	Nominal Size	
		Inch	mm
GPC-6895	GPC-6900	6	150
GPC-6896	GPC-6901	7	175
GPC-6897	GPC-6902	8	200
GPC-6898	GPC-6903	10	250
GPC-6899	GPC-6904	12	300
GPC-6785	GPC-6990	16	400
GPC-6786	GPC-6991	18	450
GPC-6787	GPC-6992	20	500
GPC-6789	GPC-6694	24	600

USAGE



- Constructed from good quality forged steel.
- Thick Square Legs & polished finish.
- Very useful instrument for tool room & students.
- Hardened tips give accurate results.



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VERNIER CALIPER BRASS

Cat No	Size
GBV-7073	60mm / 2.5 Inch
GBV-7072	80mm / 3 Inch
GBC-7100	100mm / 4 Inch

- Made Of Solid Brass.
- Lazer Etched Fine Markings for Better Readouts.
- Grinded & Milled.



63

VERNIER CALIPER ROUND JAWS BRASS

Cat No	Size
GBV-7074	60mm / 2.5 Inch
GBV-7075	80mm / 3 Inch
GBV-7076	100mm / 4 Inch

- Made Of Solid Brass.
- Lazer Etched Fine Markings for Better Readouts.
- Grinded & Milled.



64

PROFILE DEPTH GAUGE BRASS

Cat No	Size	OAL
GBC-7077	0-30mm	100mm / 4"
GBC-7078	0-50mm	100mm / 4"

- Made Of Solid Brass.
- Lazer Etched Fine Markings for Better Readouts.
- Grinded & Milled.



65

TIRE TREAD FEELER GAUGE - SINGLE POINT BRASS

Cat No	Size	OAL
GBC-7079	0-50mm	100mm / 4"

- Made Of Solid Brass.
- Lazer Etched Fine Markings for Better Readouts.
- Grinded & Milled.



66

TIRE TREAD FEELER GAUGE - DOUBLE POINT BRASS

Cat No	Size	OAL
GBC-7076A	0-50mm	100mm / 4"
GBC-7076B	0-60mm	100mm / 4"

- Made Of Solid Brass.
- Lazer Etched Fine Markings for Better Readouts.
- Grinded & Milled.



67

ECONOMY VERNIER CALIPERS

Cat No	Description	Range	
		Inch	mm
GVC-7067	Columbus Type	0 - 5	0 - 125
GVC-7068	Columbus Type	0 - 6	0 - 150

- Handy tool for In, Out and depth measurement.
- Columbus Type features Thumb controlled movement with locking device.
- Precision Type => Thumb controlled ball movement and is Nickel Plated.
- Graduations in Metric & Imperial.



68

CAST IRON VEE BLOCKS

- Made from quality casted seasoned steel.
- Supplied in matched pairs.
- The "V" is accurate to 90°.
- Very useful tool for laying out round work & holding it for machining.
- Cat No GBV-6600 to GBV-7250 are supplied with a pair of clamp.



Cat No	Length		Height		Thickness of Each Block		Width of VEE	
	Inch	mm	Inch	mm	Inch	mm	Inch	mm
GBV-6598	2	50	1-1/4	32	1	25	1	25
GBV-6599	3	75	2-3/8	60	1-1/4	32	1-3/4	44
GBV-6609	4	100	2-5/8	65	1-5/8	41	2	50
GBV-6610	5	125	3-1/8	80	2	50	2	50
GBV-6612	6	150	3-1/2	90	2-1/2	63	3-1/4	82
GBV-6613	7	180	4-1/2	115	3	75	3-1/2	90
GBV-6614	8	205	5-1/2	140	4	100	4	100
GBV-6622	10	255	6-5/8	168	5	125	5	125
GBV-6623	12	305	8	205	7	180	6-1/2	165

METRIC SIZES

Cat No Without Clamp	Model #	Cat No With Clamp	Model #	Dimensions mm			Width Across Top of vee mm	Capacity mm
				L	W	H		
GBV-6561	203	GBV-6600	230	50	38	38	30	38
GBV-7140	203B	GBV-6601	230B	75	38	38	30	38
GBV-7141	210	GBV-6602	220	50	38	38	30	38
GBV-7142	210A	GBV-6603	220A	63	47	28	40	50
GBV-7143	211	GBV-6604	221	75	56	31	50	63
GBV-7144	211A	GBV-6605	221A	75	50	50	50	63
GBV-7145	211B	GBV-6606	221B	75	63	38	50	63
GBV-7146	211C	GBV-6607	221C	75	63	63	50	63
GBV-7147	212	GBV-6608	222	100	75	38	70	88
GBV-7148	212A	GBV-6583	222A	100	63	63	70	88
GBV-7149	212B	GBV-7230	222B	100	75	75	70	88
GBV-7150	212C	GBV-7231	222C	100	88	63	70	88
GBV-6980	212D	GBV-7232	222D	100	88	88	70	88
GBV-6981	213	GBV-7233	223	125	88	44	88	110
GBV-6825	213A	GBV-7234	223A	125	75	75	88	110
GBV-6805	213B	GBV-7235	223B	125	100	100	88	110
GBV-6783	213C	GBV-7236	223C	125	125	125	88	110
GBV-6680	214	GBV-7237	224	150	100	50	100	125
GBV-6645	214A	GBV-7238	224A	150	100	100	100	125
GBV-6831	214B	GBV-7239	224B	150	125	125	100	125
GBV-6866	214C	GBV-7240	224C	150	150	150	100	125
GBV-6811	215	GBV-7241	225	175	125	56	125	156
GBV-6788	216	GBV-7242	226	200	150	63	140	175
GBV-6691	216A	GBV-7243	226A	200	150	75	140	175
GBV-6657	216B	GBV-7244	226B	200	150	100	140	175
GBV-6843	216C	GBV-7245	226C	200	150	150	140	175

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STEEL VEE BLOCKS



Cat No	Length x Width x Height		Clamping Capacity	
	Inch	mm	Inch	mm
GBV-6565	1-5/8 x 1-1/4 x 1-1/4	40 x 32 x 32	1	25
GBV-6566	2 x 1-1/2 x 1-1/2	50 x 38 x 38	1-1/2	38
GBV-6567	1-3/4 x 1-5/8 x 1-3/8	45 x 40 x 35	1	25
GBV-6568	2-3/4 x 1-3/4 x 1-5/8	70 x 45 x 40	1-1/2	38
GBV-6574	2-3/4 x 2-1/2 x 1-3/4	70 x 63 x 45	1-1/4	32
GBV-6572	2-1/2 x 2 x 2	63 x 50 x 50	2	50
GBV-6573	3-1/8 x 2-1/2 x 2-1/2	80 x 63 x 63	2-1/2	63
GBV-6569	2 x 1-5/8 x 2	50 x 40 x 50	1-1/4	30
GBV-6570	3 x 2-1/8 x 2-1/8	75 x 55 x 55	2	50
GBV-6571	4 x 3 x 3	100 x 75 x 75	2-3/4	70
GBV-6575	5 x 3-1/2 x 2-3/4	125 x 90 x 70	1-7/8	45

- Supplied in matched pairs.
- Made of best quality steel, hardened throughout.
- Accurately machined & Precision Ground to extreme accuracy.
- Provided with two clamps.
- Each block is aligned with 90° "V".
- Very useful for holding jobs firmly during drilling, milling, grinding & inspection works.

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VEE BLOCK STEPPED GROOVE



Cat No	Length X Width X Height	
	Inch	mm
GBV-6954	2-3/8 x 2-3/4 x 2	60 x 70 x 50

- Supplied in Matched Pairs.
- Holds both square and round job.
- Clamps Included.
- Side Hole Provided in each clamp to provide clamping from side.

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TOOLMAKER'S ULTIMATE VEE BLOCKS



Cat No	Length X Width X Height		Clamping Capacity	
	Inch	mm	Inch	mm
GBV-6585	3-5/8 x 1-7/8 x 1-7/8	92 x 48 x 48	1-5/16	33

- Block is hardened & ground.
- Made of alloy steel.
- Provided with one blacodized clamp.
- The design offers greater versatility to this.
- Vee block : capable of being used on base, on end and flat in either sides as the clamp is within the outside width of the block.

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VERSATILE VEE BLOCK WITH CLAMP

- Manufactured from finely selected tool steel fully hardened to 55 - 60 HRC.
- Supplied complete with 1 top mounting clamp & 2 screws in single piece.
- Supplied complete with 2 blocks, 2 top mounting clamp & 4 screws in pair.
- Can be used either from side, center or the end.



Cat No		Block Length		Block Width		Block Height		Clamping Capacity	
		Inch	mm	Inch	mm	Inch	mm	Inch	mm
GBV-6625	SINGLE	2-1/2	63	2-1/2	63	2	50	1-5/8	41
GBV-6626	PAIR	2-1/2	63	2-1/2	63	2	50	1-5/8	41
GBV-6627	SINGLE	4	100	3	75	3	75	2-3/4	57
GBV-6628	PAIR	4	100	3	75	3	75	2-3/4	57

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FOUR WAY VEE BLOCKS



Cat No	Length		Height		Thickness of Each Block		Width of VEE	
	Inch	mm	Inch	mm	Inch	mm	Inch	mm
GBV-6615	3-3/4	95	2-3/4	70	1-3/8	35	3/4x1-3/16x 1-9/16 x 2	20x30x 40x50
GBV-6616	4	100	4	100	1-3/16	30	3/4x1-3/16x 1-9/16x2	20x30x 40x50
GBV-6617	4-3/4	120	4-3/4	120	1-3/8	35	1-3/16x1-9/16x 2x2-3/8	30x40x 50x60
GBV-6618	4-3/4	120	4-3/4	120	2-3/8	60	1-3/16x1-9/16 x2x2-3/8	30x40x 50x60
GBV-6619	6	150	6	150	3	75	1-9/16x2x2-3/8x 2-3/4	40x50x 60x70
GBV-6620	8	200	8	200	4	100	2-3/8x2-3/4x 3-5/32x4	60x70x80x100

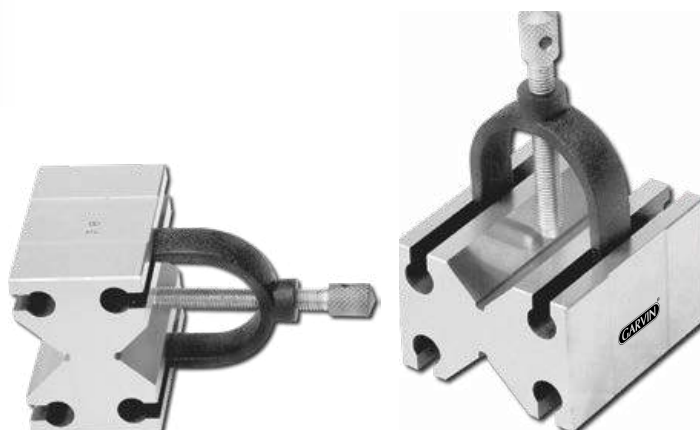
- Made from quality casted seasoned steel.
- Supplied in matched pairs.
- Very useful tool for laying out round work & holding it for machining.
- Each block incorporates 4 different sized V's, therefore support wide range of jobs.

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VEE BLOCKS - NON PROTRUDING

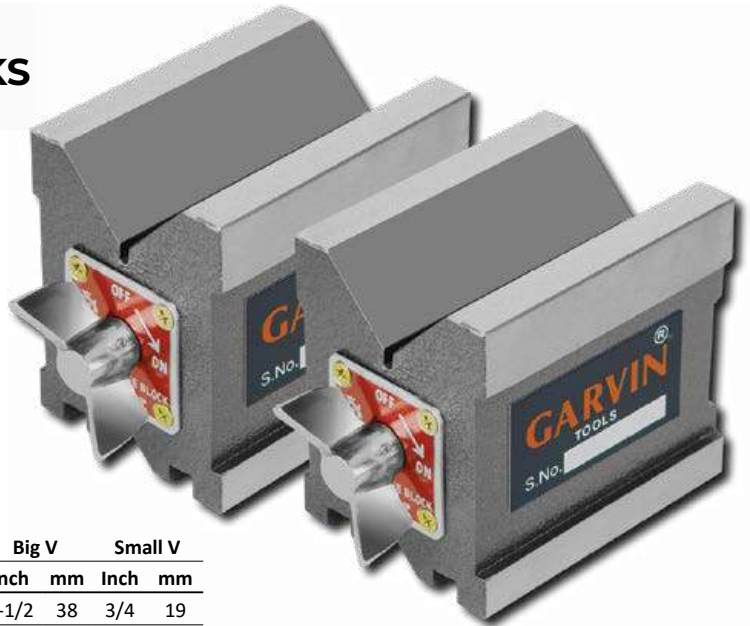
Cat No	Length X Width X Height			Clamping Capacity	
	Inch	mm	Inch	mm	mm
GBV-6578	2-3/4 x 2-1/2 x 1-3/4	70 x 63 x 45	1-1/2	38	
GBV-6579	4-7/8 x 3-1/2 x 2-3/4	125 x 88 x 70	2-1/8	54	

- Supplied in matched pairs.
- Made of best quality steel, hardened throughout up to 55 - 60 HRC
- Accurately machined & Precision Ground to extreme accuracy.
- Each block is aligned with 90° "V".
- Sturdy type clamp allows the blocks to be used on the side faces including to the base.
- Provided with two-blacodized clamp.



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MAGNETIC VEE BLOCKS



- Supplied in matched pairs in fine finished wooden box.
- Surface is precision ground.
- The strong magnet is controlled by on / off switch.

Cat No SINGLE	Cat No PAIR	Length		Width		Height		Big V		Small V	
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
GMB-6590	GMB-6594	2- 3/4	70	2-1/8	54	2-7/8	73	1-1/2	38	3/4	19
GMB-6591	GMB-6595	4	100	2-3/4	70	3-3/4	95	2	50	3/4	19
GMB-6593	GMB-6597	6	150	3	75	3-3/4	95	2-1/4	55	1	25

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TRIPLE VEE BLOCKS



Cat No	Length	Width	Height	Suitable for Dia.
	mm	mm	mm	mm
GBV-6635	50	20	14	5-33
GBV-6636	75	24	35	6-45
GBV-6637	100	33	52	8-60
GBV-6638	125	44	69	8-75

- Manufactured from steel.
- Every angle 90°.
- Matched Pairs.

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ELONGATED VEE BLOCKS



Cat No	L x W x H	V Capacity
	mm	mm
GBV-7091	75x40x30	5-40
GBV-7092	100x47x40	5-55
GBV-7093	150x55x45	5-60
GBV-7094	200x65x55	5-75

- All sides precision ground parallel and square.
- "V" Grooves ground central & parallel and square.
- Perfect alignment in matched pair.
- Holds the square and round work.
- Elongated 'V' Blocks are suitable for marking checking, Drilling and milling.

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V-ANGLE PLATE / VEE BLOCK



Cat No	L x W x H Inch
GVP-7085	3"x3"x5"
GVP-7086	4"x4"x6"
GVP-7087	5"x5"x7"
GVP-7088	6"x6"x8"

- Manufactured from good quality seasoned casting.
- Combined Vee Block & Angle Plate.

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STEP ANGLE PLATES



Cat No	Size		Specifications of Tapped Holes
	Inch	mm	
GPS-7036	3x3x3	75x75x75	1/4"BSW (6mm)
GPS-7037	4x4x4	100x100x100	5/16"BSW (8mm)

- Hardened and Precision Ground.
- Tapped Holes for Clamping jobs in any position.

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CAST IRON SLOTTED ANGLE PLATES



Webbed End

Open End

Cat No Open End	Cat No Webbed End	Length		Width		Height	
		Inch	mm	Inch	mm	Inch	mm
GPA-7025	GPA-7034	3	75	2-1/2	63	2	50
GPA-7026	GPA-7035	3-1/2	90	3	75	2-1/2	63
GPA-7027	GPA-7036	4-1/2	115	3-1/2	90	3	75
GPA-7028	GPA-7037	6	150	5	125	4-1/2	115
GPA-7029	GPA-7038	7	175	5-1/2	140	4-1/2	115
GPA-7030	GPA-7039	8	200	6	150	5	125
GPA-7031	GPA-7040	9	225	7	175	6	150
GPA-7032	GPA-7041	10	250	8	200	6	150
GPA-7033	GPA-7042	12	300	9	225	8	200

- Manufactured from good quality seasoned casting.
- Properly hardened & ground from all the sides.
- Properly Machined 90° Square.

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SOLID ANGLE PLATES



Cat No	No. of Ribs	Size	
		Inch	mm
GPA-7040A	0	1x1x1x1	25x25x25
GPA-7041A	1	2 x 2 x 2	50 x 50 x 50
GPA-7042A	1	3 x 3 x 3	75 x 75 x 75
GPA-7043	1	4 x 4 x 4	100 x 100 x 100
GPA-7044	1	5 x 5 x 5	125 x 125 x 125
GPA-7045	1	6 x 6 x 6	150 x 150 x 150
GPA-7046	2	8 x 8 x 8	200 x 200 x 200
GPA-7047	2	10 x 10 x 10	250 x 250 x 250
GPA-7048	2	12 x 12 x 12	300 x 300 x 300

- Constructed from good quality seasoned casting.
- Properly hardened & ground from all the sides.
- Properly Machined 90° Square.
- Precision ground sides & ends.

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SURFACE PLATES CAST IRON - BOX TYPE



Cat No	Length		Width	
	Inch	mm	Inch	mm
GIP-7101	12	300	8	200
GIP-7102	12	300	12	300
GIP-7103	18	450	12	300
GIP-7104	18	450	18	450
GIP-7105	24	600	18	450
GIP-7106	24	600	24	600
GIP-7107	36	900	24	600
GIP-7108	30	750	30	750
GIP-7109	36	900	36	900
GIP-7110	48	1200	36	900

- Manufactured from superior quality seasoned cast iron.
- Top surface is thick & solid.
- Used for checking parallelism & angels.
- Used to mount up optical gauging systems in workshops.
- Also available stands for corresponding sizes.
- Bigger & other sizes are manufactured on request.

84

SURFACE PLATES / CAST IRON - ROUND



Cat No	Dia x Thickness	
	mm	
GIP-1038	50x30	
GIP-1039	75x30	
GIP-1040	100x30	
GIP-1041	125x30	
GIP-1042	150x40	
GIP-1043	200x40	
GIP-1044	250x50	
GIP-1045	300x60	

83

SURFACE PLATES GRANITE



Cat No	Length	Width
	mm	mm
GGP-7120	250	250
GGP-7121	400	250
GGP-7122	400	400
GGP-7123	630	400
GGP-7124	630	630
GGP-7125	1000	630
GGP-7126	1000	1000
GGP-7127	1600	1000
GGP-7128	2000	1000

- Manufactured from superior quality granite.
- Used for checking parallelism & angels.
- Used to mount up optical gauging systems in workshops.
- Also available stands for corresponding sizes.
- Bigger & other sizes are manufactured on request.

85

WAVY PARALLEL Set of 8 Pairs

DISCONTINUED



Cat No	Length	Height	
		mm	
GWP-5205	110mm	9, 11, 13, 15, 17, 19, 21 & 23mm	
GWP-5206	110mm	25, 27, 29, 31, 33, 35, 37 & 39mm	

86

ENGINEER'S STEEL PARALLELS & SETS

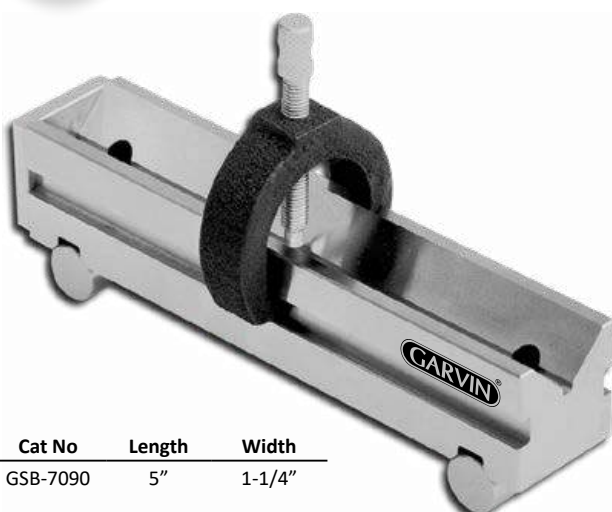


Cat No	Length	Height	Thickness	No. of Pairs
GSP-6778	100mm	10-14-18-22-26-30-34-38-42mm	4mm	9
GSP-6779	160mm	10-14-18-22-26-30-34-38-42mm	4mm	9
GSP-6780	120mm	14-16-18-20-22-24-26-28-30-32-35-40mm	10mm	12
GSP-6781	150mm	14-16-18-20-22-24-26-28-30-32-35-40-45-50mm	10mm	14

- Very useful for Milling & drilling.
- Made from alloy steel.
- Properly hardened & ground.
- Very useful in tool rooms for inspection, measuring, laying off & setup jobs.
- Supplied in matched pairs.
- Sets Supplied in fine finished wooden Box.

88

V SINE BAR



Cat No	Length	Width
GSB-7090	5"	1-1/4"

- Hardened & Ground.
- Clamp Included.
- Accurate to .0005". 1" Round capacity.

87

ENGINEER'S STEEL PARALLELS & SETS

- Hardened & Ground Alloy Steel Manufacturing.
- Matched Pairs.
- Hardness between 50 - 58 HRC.



Cat No	Length	Height	Thickness	No. of Pairs
GSP-7000	6"	1/2", 5/8", 3/4", 7/8", 1", 1.1/8", 1.1/4", 1.3/8", 1.1/2", & 1.5/8"	1/8"	10
GSP-7001	3"	1/2", 5/8", 3/4", 7/8", 1", 1.1/8", 1.1/4", 1.3/8", 1.1/2", & 1.5/8"	1/8"	10
GSP-7002	6"	1/2" to 1.11/16" in 1/16" Steps	1/32"	20
GSP-7003	1.1/2"	1/8", 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32" & 3/8"	1/16"	9
GSP-7004	4"	1/2", 5/8", 3/4", 7/8", 1", 1.1/8", 1.1/4", 1.3/8", 1.1/2", & 1.5/8"	1/8"	10
GSP-7005	5"	1/2", 5/8", 3/4", 7/8", 1", 1.1/8", 1.1/4", 1.3/8", 1.1/2", & 1.5/8"	1/8"	10

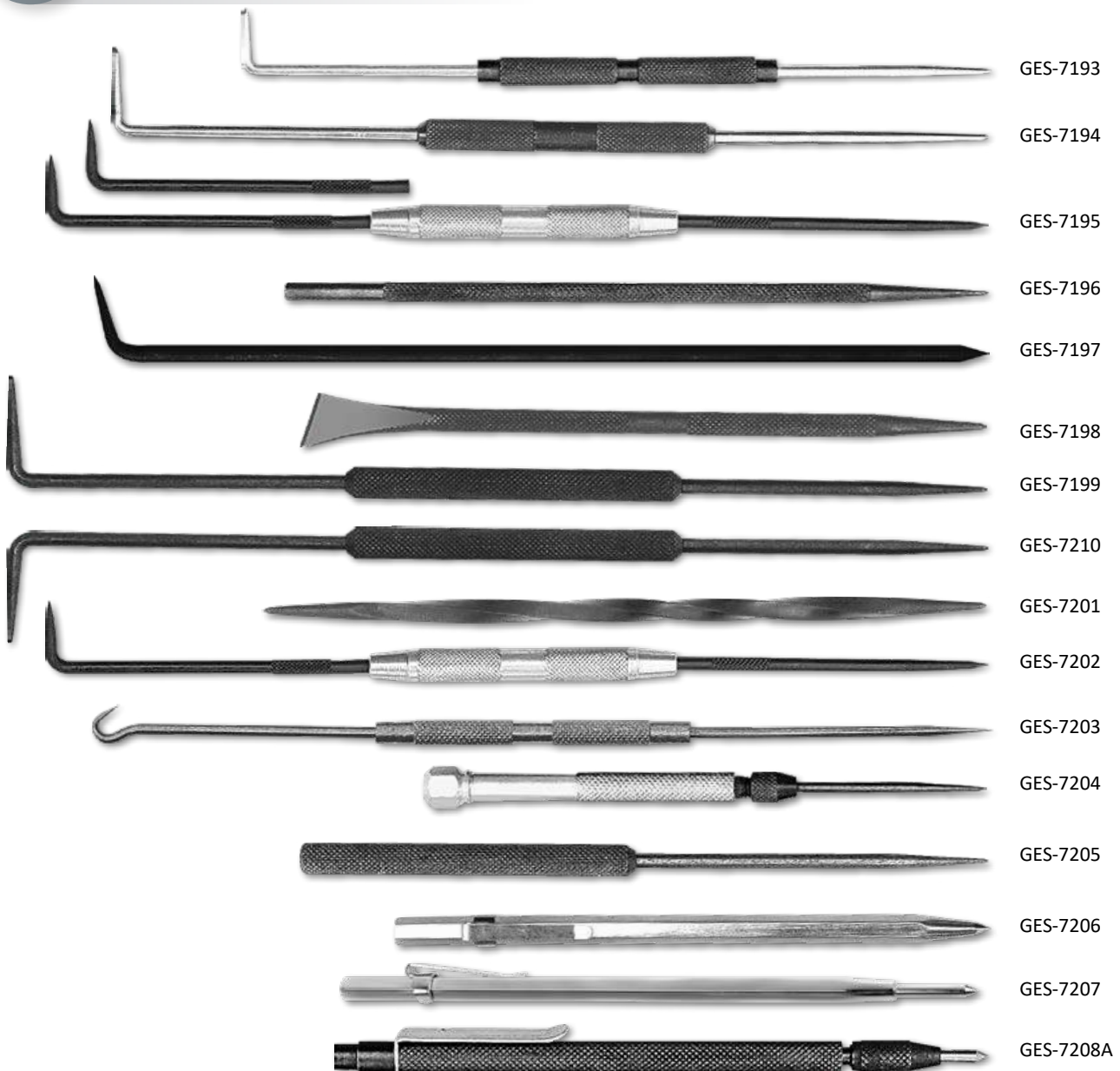
89

SINE BARS



Cat No	Model No.	Width	Distance Between Rollers
GBS-6935	AA	15/16"	5"
GBS-6936	AA	1"	10"
GBS-6937	BB	1"	2-1/2"
GBS-6938	BB	1"	5"
GBS-6939	CC	30 mm	100 mm
GBS-6940	CC	30 mm	200 mm
GBS-6941	DD	7/32"	3"

- Made of high quality alloy steel.
- Distance between center of rolls + - .004".
- Very useful tool for measurements & angular inspection.



Cat No	Description	Length	
		Inch	mm
GES-7193	Double ended scriber with knurled body	7	175
GES-7194	Double ended scriber with replaceable points	8-1/2	215
GES-7195	Knurled aluminum scriber with three points; one straight 5mm & two bent with 75mm & 150mm length respectively	8-1/2 & 12	215 & 300
GES-7196	Single point machinist's scriber	8	200
GES-7197	Plain scriber with one bent end and other straight without knurled body	7	175
GES-7198	Knife edge scriber & other pointed sharp end	6-1/2	165
GES-7199	Double ended knurled scriber heavy duty	10	250
GES-7210	Double ended knurled scriber heavy duty Brazed Carbide Points	10	250

Cat No	Description	Length	
		Inch	mm
GES-7201	Twisted body scriber with both ends pointed	7	175
GES-7202	Double ended scriber with replaceable points and knurled aluminum body	8-1/2	215
GES-7203	Hook Scriber	8-1/2	215
GES-7204	Single point pocket scriber with replaceable point & fixed hex nut at other end, aluminum body	5	125
GES-7205	Single ended heavy duty knurled scriber	7	175
GES-7206	Carbide point pen scriber with steel body. (Hexagonal body)	6	150
GES-7207	Carbide point pen scriber with steel body. (Hexagonal body - Extended Point)	6	150
GES-7208A	Replaceable Carbide point Pen scriber cum magnetic pick up tool	6	150

91

TOOLMAKERS SURFACE MARKING GAUGE

Cat No	Base Dimension LXWXH		Length of Spindle		Diameter of Spindle	
	Inch	mm	Inch	mm	Inch	mm
GSG-7177	3-1/4 x 2-1/2 x 1	82 x 63 x 25	9	225	3/8	9.5
GSG-7178	3-1/4 x 2-1/2 x 1	82 x 63 x 25	12	300	3/8	9.5
GSG-7179	2-3/16 x 1-5/8 x 3/4	55 x 40 x 20	4 & 7	100 & 175	1/4	6.25
GSG-7180	3-1/4 x 2-1/2 x 1	82 x 63 x 25	9 & 12	225 & 300	3/8	9.5
GSG-7181	4 x 3-1/2 x 1-1/8	100 x 90 x 30	12 & 18	300 & 450	3/8	9.5

- Fully hardened and ground base, which serves as an accurate reference surface.
- Adjustable Spindle with scriber that can be rigidly secured at any position on the spindle.
- Can be used on flat or round surfaces.
- Vee groove in the base allows the gauge to be used conveniently on curved or cylindrical surfaces.
- Having fine adjustment and hard scriber point.

USAGE



METALWORKING



92

SURFACE GAUGE ROUND FIXED BASE

Cat No	Diameter of Base		Length of Spindle	
	Inch	mm	Inch	mm
GSG-6777	2-7/8	72.5	12	300

- Round fixed base manufactured from good quality casting.
- Chromed spindle for shiny finish.
- Scribers are properly hardened and blackodized.

USAGE



METALWORKING



93

WIGGLER & CENTER FINDER SET



Cat No
GWF-6987

- Very useful tool for locating application points on Milling & other machines.
- Set consists of wiggler chuck, ball contact attachment, disc contact attachment, needle point attachment & offset indicator holder.
- Comes in an attractive flap on PVC jacket.

94

O RING HOOK & SCRIBE 2 Pc Set



Cat No	Description
GJT-312	- Knurled Center Grips. - Hardened Tips. - Used for retrieving Small Parts, Nuts & Washers etc. - O Ring & Seal Pick For Easy Removing & Installing.

95

EDGE & CENTER FINDER



COMBINATION EDGE & CENTER FINDER

EDGE FINDERS

Cat No	Shank Diameter	Tip Diameter	Description
GCF-6990	1/2"	.2000" & .5000"	Combination Edge and Center Finder
GCF-6991	3/8"	.2000" & .3730"	Combination Edge and Center Finder
GCF-6992	3/8"	.3750"	Center Finder Single End
GCF-6993	1/2"	.5000"	Center Finder Single End
GCF-6994	1/2"	.5000"	Plain Edge Finder Single End
GCF-6995	1/2"	.2000"	Edge Finder Double End
GCF-6996	3/8"	.2000"	Edge Finder Single End
GCF-6997	1/2"	.2000"	Edge Finder Single End



GCF-6990



GCF-6991



GCF-6994



GCF-6995



GCF-6996

Metric Sizes

GCF-6998	10mm	10mm	Plain Edge Finder Single End
GCF-6999	12mm	5mm	Edge Finder Single End
GCF-7171	10mm	4mm	Combination Edge and Center Finder
GCF-7172	12mm	4mm	Edge Finder Single End
GCF-7173	12mm	4mm	Edge Finder Double End
GCF-7174	10mm	4mm	Edge Finder Single End
GCF-7175	12mm	4mm	Edge Finder Single End
GCF-7176	10mm	4mm	Edge Finder Double End

CENTER FINDERS

EDGE FINDERS



GCF-6993



GCF-6992



GCF-6997



GCF-6998



GCF-6999

- Useful inspection tool for fast & efficient dimensional inspection on production parts.

96

EDGE & CENTER FINDER SETS



- Useful inspection tool for fast & efficient dimensional inspection on production parts.



GCF 7171 GCF 7172 GCF 6998 GCF 7173 GCF 7174

Cat No
GCF-7002



GCF 6991 GCF 6992 GCF 6993 GCF 6997

Cat No
GCF-7912



GCF 7171 GCF 7174 GCF 7173 GCF 6998 GCF 7175

Cat No
GCF-7004

97

Z TYPE EDGE FINDER



EDGE FINDERS

Cat No	Shank Diameter	Tip Diameter	Description
GCF-7000	10mm	4mm	Edge Finder
GCF-7001	10mm	10mm	Edge Finder



GCF-7000



GCF-7001

- Useful inspection tool for fast & efficient dimensional inspection on production parts.

98

ENGINEER'S MEASURING & MARKING

11 Pc

Cat No

GMK - 7227

Consists of: -

- 1 off Stainless Steel Rule 150mm / 6".
- 1 off Brass Automatic Center Punch.
- 1 off Stainless Steel Universal Gauge.
- 1 off Stainless Steel Protractor with depth gauge.
- 1 off Engineer's Square 100mm / 4".
- 1 off Single end Aluminium Scriber.
- 1 off Square Leg Spring Calliper Divider 150mm / 6".
- 1 off Brass Vernier Caliper 100mm / 4".
- 1 off Bore Gauge / Cylindrical Gauge.
- 1 off Screw Pitch Gauge MM & Inch.
- 1 off Stainless Steel Screw Cutting Gauge.
- Comes in a fitted timber case.



99

CENTER SQUARE SET

6 Pc

Cat No

GMK - 7229

Consists of: -

- 1 off Engineer's Square 50mm / 2".
- 1 off Engineer's Square 100mm / 4".
- 1 off Engineer's Square 150mm / 6".
- 1 off Single end Aluminium Scriber.
- 1 off Center finder Square 38mm / 1.1/2".
- 1 off Steel Rule 150mm / 6".



100

MEASURING AND MARKING SET

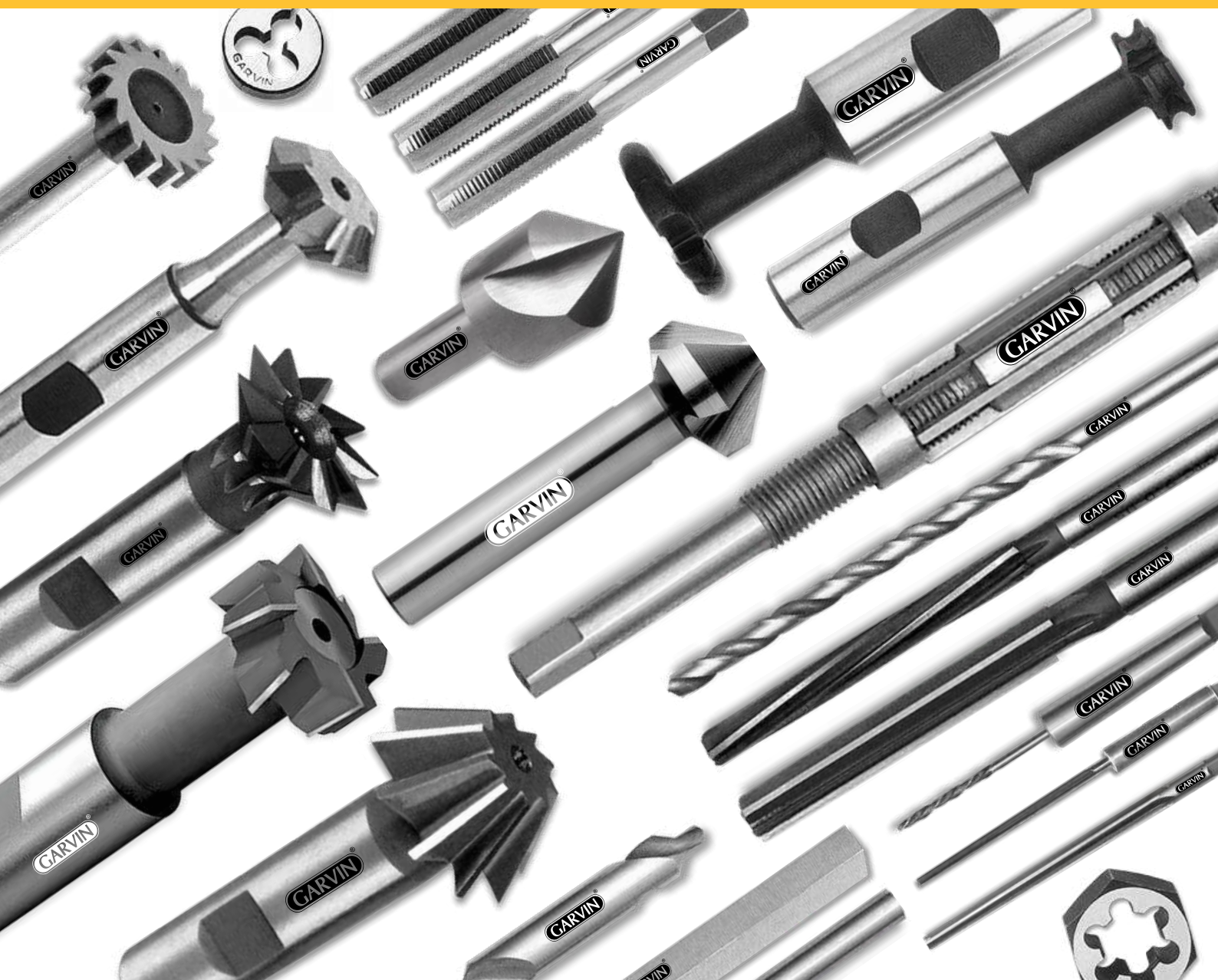
5 Pc

Cat No

GMK-7228

- 1 off Engineer's Square 6" / 150mm.
- 1 off Center finder square 1-1/2" / 38mm.
- 1 off Carbide Magnetic Scriber.
- 1 off Center Punch.
- 1 off Stainless Steel Protractor.

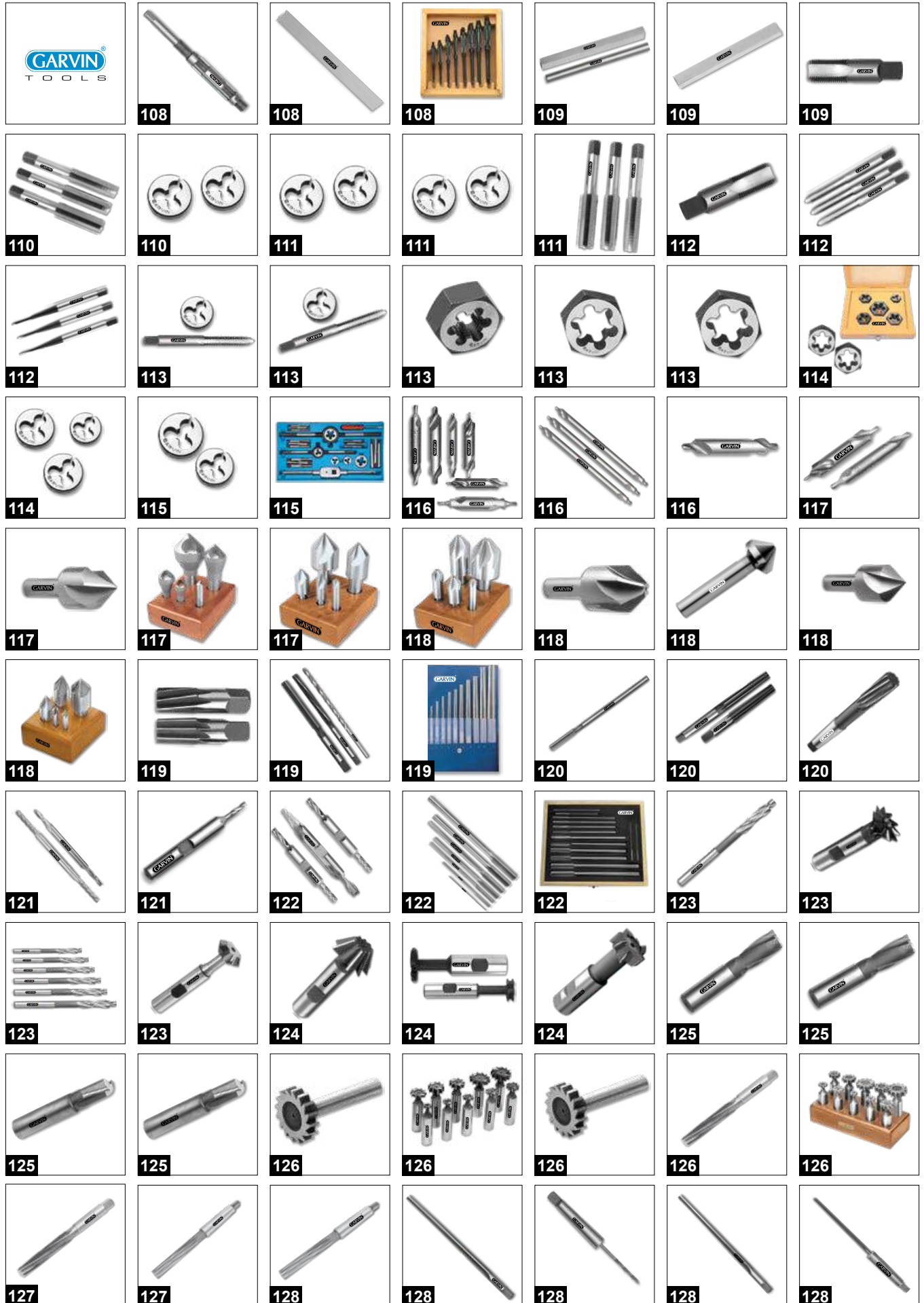




CUTTING TOOLS







01

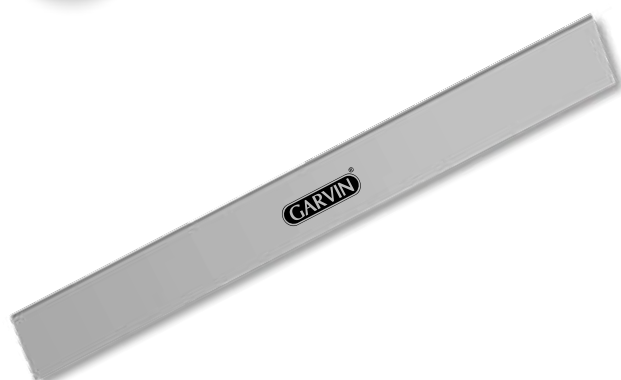
ADJUSTABLE HAND REAMERS

Cat No	American Size	Industrial Code	Range		No. of Blades
			Inch	mm	
GAR-2486	8/A	HV	1/4 to 9/32	6.35 to 7.14	4
GAR-2487	7/A	HW	9/32 to 5/16	7.14 to 7.94	4
GAR-2488	6/A	HZ	5/16 to 11/32	7.94 to 8.73	4
GAR-2489	5/A	HY	11/32 to 3/8	8.73 to 9.52	5
GAR-2490	4/A	H1	3/8 to 13/32	9.52 to 10.32	6
GAR-2491	3/A	H2	13/32 to 7/16	10.32 to 11.11	6
GAR-2492	2/A	H3	7/16 to 15/32	11.11 to 11.91	6
GAR-2493	A	H4	15/32 to 17/32	11.91 to 13.49	6
GAR-2494	B	H5	17/32 to 19/32	13.49 to 15.08	6
GAR-2495	C	H6	19/32 to 21/32	15.08 to 16.67	6
GAR-2496	D	H7	21/32 to 23/32	16.67 to 18.26	6
GAR-2497	E	H8	23/32 to 25/32	18.26 to 19.84	6
GAR-2498	F	H9	25/32 to 27/32	19.84 to 21.43	6
GAR-2499	G	H10	27/32 to 15/16	21.43 to 23.81	6
GAR-2500	H	H11	15/16 to 1-1/16	23.81 to 26.99	6
GAR-2501	I	H12	1-1/16 to 1-3/16	26.99 to 30.16	6
GAR-2502	J	H13	1-3/16 to 1-11/32	30.16 to 34.13	6
GAR-2503	K	H14	1-11/32 to 1-1/2	34.13 to 38.10	6
GAR-2504	L	H15	1-1/2 to 1-13/16	38.10 to 46.04	6
GAR-2505	M	H16	1-13/16 to 2-7/32	46.04 to 56.36	6
GAR-2506	N	H17	2-7/32 to 2-3/4	56.36 to 69.85	6
GAR-2507	O	H18	2-3/4 to 3-11/32	69.85 to 84.93	6
GAR-2508	P	H19	3-11/32 to 4	84.93 to 100	6
GAR-2509	Q	H20	4 to 4-3/4	100 to 120	6
GAR-2509A	R	H21	4-3/4 to 5-1/2	120 to 140	6



02

HSS PARTING TOOL BITS CUT OFF BLADES



Cat No		Size In Inches
M - 2GRADE	5% Cobalt	
GTB-3901	GTB-3914	1/16 x 5/16 x 3 1/2
GTB-3902	GTB-3915	3/32 x 1/2 x 4
GTB-3903	GTB-3916	3/32 x 1/2 x 4 1/2
GTB-3904	GTB-3917	3/32 x 5/8 x 5
GTB-3905	GTB-3918	1/8 x 3/4 x 6
GTB-3906	GTB-3919	1/8 x 7/8 x 6
GTB-3907	GTB-3920	1/8 x 7/8 x 7
GTB-3908	GTB-3921	1/8 x 1" x 8
GTB-3909	GTB-3922	3/16 x 3/4 x 6
GTB-3910	GTB-3923	3/16 x 1 x 6
GTB-3911	GTB-3924	3/16 x 1 x 6 1/2
GTB-3912	GTB-3925	3/16 x 1 1/8 x 7
GTB-3913	GTB-3926	3/16 x 1 x 8

03

SETS OF ADJUSTABLE HAND REAMERS



A B C D E F G H

Cat No	Range
GAR-3801	Set of 3 Reamers (4/A to 2/A)
GAR-3802	Set of 4 Reamers (8/A to 5/A)
GAR-3803	Set of 7 Reamers (8/A to 2/A)
GAR-3804	Set of 6 Reamers (A to F)
GAR-3805	Set of 8 Reamers (A to H)
GAR-3806	Set of 6 Reamers (C to H)
GAR-3807	Set of 9 Reamers (C to K)
GAR-3808	Set of 11 Reamers (A to K)
GAR-3809	Set of 16 Reamers (4/A to M)
GAR-3810	Set of 9 Reamers (A to I)
GAR-3811	Set of 5 Reamers (I to M)

(Each Set is Supplied in Finished Wooden Box)

04

H.S.S TOOL BITS



M - 2 GRADE		5% Cobalt		Inch	Corresponding Sizes in mm
Cat No		Cat No			
Sq.	Round	Sq.	Round		
GTB-2790	GTB-2840	GTB-3801	GTB-3851	1/8 x 2.1/2	3 x 62
GTB-2791	GTB-2841	GTB-3802	GTB-3852	1/8 x 2.3/4	3 x 70
GTB-2792	GTB-2842	GTB-3803	GTB-3853	1/8 x 3	3 x 75
GTB-2793	GTB-2843	GTB-3804	GTB-3854	1/8 x 4	3 x 100
GTB-2794	GTB-2844	GTB-3805	GTB-3855	5/32 x 3	4 x 75
GTB-2795	GTB-2845	GTB-3806	GTB-3856	5/32 x 4	4 x 100
GTB-2796	GTB-2846	GTB-3807	GTB-3857	3/16 x 2	5 x 50
GTB-2797	GTB-2847	GTB-3808	GTB-3858	3/16 x 2 1/2	5 x 62
GTB-2798	GTB-2848	GTB-3809	GTB-3859	3/16 x 3	5 x 75
GTB-2799	GTB-2849	GTB-3810	GTB-3860	3/16 x 3 1/2	5 x 87
GTB-2800	GTB-2850	GTB-3811	GTB-3861	3/16 x 4	5 x 100
GTB-2801	GTB-2851	GTB-3812	GTB-3862	3/16 x 6	5 x 150
GTB-2802	GTB-2852	GTB-3813	GTB-3863	1/4 x 2	6 x 50
GTB-2803	GTB-2853	GTB-3814	GTB-3864	1/4 x 2 1/2	6 x 62
GTB-2804	GTB-2854	GTB-3815	GTB-3865	1/4 x 3	6 x 75
GTB-2805	GTB-2855	GTB-3816	GTB-3866	1/4 x 4	6 x 100
GTB-2806	GTB-2856	GTB-3817	GTB-3867	1/4 x 6	6 x 150
GTB-2807	GTB-2857	GTB-3818	GTB-3868	1/4 x 8	6 x 200
GTB-2808	GTB-2858	GTB-3819	GTB-3869	5/16 x 2 1/2	8 x 62
GTB-2809	GTB-2859	GTB-3820	GTB-3870	5/16 x 3	8 x 75
GTB-2810	GTB-2860	GTB-3821	GTB-3871	5/16 x 4	8 x 100
GTB-2811	GTB-2861	GTB-3822	GTB-3872	5/16 x 4 1/2	8 x 112
GTB-2812	GTB-2862	GTB-3823	GTB-3873	5/16 x 6	8 x 150
GTB-2813	GTB-2863	GTB-3824	GTB-3874	5/16 x 8	8 x 200
GTB-2814	GTB-2864	GTB-3825	GTB-3875	3/8 x 3	10 x 75
GTB-2815	GTB-2865	GTB-3826	GTB-3876	3/8 x 4	10 x 100
GTB-2816	GTB-2866	GTB-3827	GTB-3877	3/8 x 5	10 x 125
GTB-2817	GTB-2867	GTB-3828	GTB-3878	3/8 x 6	10 x 150
GTB-2818	GTB-2868	GTB-3829	GTB-3879	3/8 x 8	10 x 200
GTB-2819	GTB-2869	GTB-3830	GTB-3880	7/16 x 3 1/2	11 x 87
GTB-2820	GTB-2869A	GTB-3831	GTB-3881	7/16 x 4	11 x 150
GTB-2821	GTB-2870	GTB-3832	GTB-3882	7/16 x 5 1/2	11 x 140
GTB-2822	GTB-2871	GTB-3833	GTB-3883	1/2 x 3	12 x 75
GTB-2823	GTB-2872	GTB-3834	GTB-3884	1/2 x 4	12 x 100
GTB-2824	GTB-2873	GTB-3835	GTB-3885	1/2 x 6	12 x 150
GTB-2825	GTB-2874	GTB-3836	GTB-3886	1/2 x 8	12 x 200
GTB-2826	GTB-2875	GTB-3837	GTB-3887	5/8 x 4	16 x 100
GTB-2827	GTB-2876	GTB-3838	GTB-3888	5/8 x 4 1/2	16 x 112
GTB-2828	GTB-2877	GTB-3839	GTB-3889	5/8 x 6	16 x 150
GTB-2829	GTB-2878	GTB-3840	GTB-3890	5/8 x 8	16 x 200
GTB-2830	GTB-2879	GTB-3841	GTB-3891	3/4 x 4	20 x 100
GTB-2831	GTB-2880	GTB-3842	GTB-3892	3/4 x 5	20 x 125
GTB-2832	GTB-2881	GTB-3843	GTB-3893	3/4 x 6	20 x 150
GTB-2833	GTB-2882	GTB-3844	GTB-3894	3/4 x 8	20 x 200
GTB-2834	GTB-2883	GTB-3845	GTB-3895	7/8 x 6	22 x 150
GTB-2835	GTB-2884	GTB-3846	GTB-3896	1 x 4	25 x 100
GTB-2836	GTB-2885	GTB-3847	GTB-3897	1 x 6	25 x 150
GTB-2837	GTB-2886	GTB-3848	GTB-3898	1 x 7	25 x 175
GTB-2838	GTB-2887	GTB-3849	GTB-3899	1 x 8	25 x 200
GTB-2839	GTB-2888	GTB-3850	GTB-3900	1 1/4 x 7	30 x 175

(Also Available in 10% Cobalt)

05

RECTANGULAR TOOL BITS



Cat No		Size In Inches	Corresponding sizes in mm
M - 2GRADE	5% Cobalt		
GTB-3930	GTB-3964A	1/8 x 1/2 x 4	3 x 12 x 100
GTB-3931	GTB-3965	1/8 x 1/2 x 6	3 x 12 x 150
GTB-3932	GTB-3966	1/8 x 3/4 x 4	3 x 20 x 100
GTB-3933	GTB-3967	1/8 x 1 x 6	3 x 25 x 150
GTB-3934	GTB-3968	3/16 x 1/2 x 6	5 x 12 x 150
GTB-3935	GTB-3969	3/16 x 3/4 x 6	5 x 20 x 150
GTB-3936	GTB-3970	3/16 x 1 x 6	5 x 25 x 150
GTB-3937	GTB-3971	1/4 x 3/8 x 3	6 x 10 x 75
GTB-3938	GTB-3972	1/4 x 3/8 x 4	6 x 10 x 100
GTB-3939	GTB-3973	1/4 x 1/2 x 4	6 x 12 x 100
GTB-3940	GTB-3974	1/4 x 1/2 x 6	6 x 12 x 150
GTB-3941	GTB-3975	1/4 x 3/4 x 5	6 x 20 x 125
GTB-3942	GTB-3976	1/4 x 3/4 x 6	6 x 20 x 150
GTB-3943	GTB-3977	1/4 x 1 x 6	6 x 25 x 150
GTB-3944	GTB-3978	5/16 x 3/4 x 6	8 x 20 x 150
GTB-3945	GTB-3979	3/8 x 1/2 x 4	10 x 12 x 100
GTB-3946	GTB-3980	3/8 x 1/2 x 6	10 x 12 x 150
GTB-3947	GTB-3981	3/8 x 5/8 x 5	10 x 16 x 125
GTB-3948	GTB-3982	3/8 x 5/8 x 6	10 x 16 x 150
GTB-3949	GTB-3983	3/8 x 3/4 x 5	10 x 20 x 125
GTB-3950	GTB-3984	3/8 x 3/4 x 6	10 x 20 x 150
GTB-3951	GTB-3985	3/8 x 1 x 6	10 x 25 x 150
GTB-3952	GTB-3986	1/2 x 5/8 x 6	12 x 16 x 150
GTB-3953	GTB-3987	1/2 x 3/4 x 5	12 x 20 x 125
GTB-3954	GTB-3988	1/2 x 3/4 x 6	12 x 20 x 150
GTB-3955	GTB-3989	1/2 x 1 x 6	12 x 25 x 150
GTB-3956	GTB-3990	1/2 x 1 x 7	12 x 25 x 175
GTB-3957	GTB-3991	1/2 x 1 1/2 x 7	12 x 37 x 175
GTB-3958	GTB-3992	5/8 x 3/4 x 5	16 x 20 x 125
GTB-3959	GTB-3993	5/8 x 3/4 x 6	16 x 20 x 150
GTB-3960	GTB-3994	5/8 x 1 x 6	16 x 25 x 150
GTB-3961	GTB-3995	5/8 x 1 1/4 x 7	16 x 31 x 175
GTB-3962	GTB-3996	3/4 x 1 x 6	20 x 25 x 150

06

CARBON TAPS - B.S.P.



(Also Available in H.S.S.)

Cat No		Set of two (Ist & IInd)	Size in Inches	Threads per Inch
Ist	IInd			
GTC-4110	GTC-4122	GTC-4380	1/8	28
GTC-4111	GTC-4123	GTC-4381	1/4	19
GTC-4112	GTC-4124	GTC-4382	3/8	19
GTC-4113	GTC-4125	GTC-4383	1/2	14
GTC-4114	GTC-4126	GTC-4384	5/8	14
GTC-4115	GTC-4127	GTC-4385	3/4	14
GTC-4116	GTC-4128	GTC-4386	7/8	14
GTC-4117	GTC-4129	GTC-4387	1	11
GTC-4118	GTC-4130	GTC-4389	1.1/8	11
GTC-4119	GTC-4131	GTC-4390	1.1/4	11
GTC-4120	GTC-4132	GTC-4391	1.1/2	11
GTC-4121	GTC-4133	GTC-4392	2	11

07

CARBON TAPS B. S.W. / B.S.F. AS PER ASME / ANSI B94.9



Cat No			Set of Three Plug, Bottom & Taper Taps	Size	
Plug	Bottoming	Taper			
GTC-3098	GTC-3146	GTC-3194	GTC-3243	1/16" -60	B.S.W.
GTC-3099	GTC-3147	GTC-3195	GTC-3244	3/32" -48	B.S.W.
GTC-3100	GTC-3148	GTC-3196	GTC-3245	1/8" -40	B.S.W.
GTC-3101	GTC-3149	GTC-3197	GTC-3246	5/32" -32	B.S.W.
GTC-3102	GTC-3150	GTC-3198	GTC-3247	3/16" -24	B.S.W.
GTC-3103	GTC-3151	GTC-3199	GTC-3248	3/16" -32	B.S.F.
GTC-3104	GTC-3152	GTC-3200	GTC-3249	7/32" -24	B.S.W.
GTC-3105	GTC-3153	GTC-3201	GTC-3250	7/32" -28	B.S.F.
GTC-3106	GTC-3154	GTC-3202	GTC-3251	1/4" -20	B.S.W.
GTC-3107	GTC-3155	GTC-3203	GTC-3252	1/4" -26	B.S.F.
GTC-3108	GTC-3156	GTC-3204	GTC-3253	9/32" -20	B.S.W.
GTC-3109	GTC-3157	GTC-3205	GTC-3254	9/32" -26	B.S.F.
GTC-3110	GTC-3158	GTC-3206	GTC-3255	5/16" -18	B.S.W.
GTC-3111	GTC-3159	GTC-3207	GTC-3256	5/16" -22	B.S.F.
GTC-3112	GTC-3160	GTC-3208	GTC-3257	3/8" -16	B.S.W.
GTC-3113	GTC-3161	GTC-3209	GTC-3258	3/8" -20	B.S.F.
GTC-3114	GTC-3162	GTC-3210	GTC-3259	7/16" -14	B.S.W.
GTC-3115	GTC-3163	GTC-3211	GTC-3260	7/16" -18	B.S.F.
GTC-3116	GTC-3164	GTC-3212	GTC-3261	1/2" -12	B.S.W.
GTC-3117	GTC-3165	GTC-3213	GTC-3262	1/2" -16	B.S.F.
GTC-3118	GTC-3166	GTC-3214	GTC-3263	9/16" -12	B.S.W.
GTC-3119	GTC-3167	GTC-3215	GTC-3264	9/16" -16	B.S.F.
GTC-3120	GTC-3168	GTC-3216	GTC-3265	5/8" -11	B.S.W.
GTC-3121	GTC-3169	GTC-3217	GTC-3266	5/8" -14	B.S.F.
GTC-3122	GTC-3170	GTC-3218	GTC-3267	11/16" -11	B.S.W.
GTC-3123	GTC-3171	GTC-3219	GTC-3268	11/16" -14	B.S.F.
GTC-3124	GTC-3172	GTC-3220	GTC-3269	3/4" -10	B.S.W.
GTC-3125	GTC-3173	GTC-3221	GTC-3270	3/4" -12	B.S.F.
GTC-3126	GTC-3174	GTC-3222	GTC-3271	13/16" -10	B.S.W.
GTC-3127	GTC-3175	GTC-3223	GTC-3272	13/16" -12	B.S.F.
GTC-3128	GTC-3176	GTC-3224	GTC-3273	7/8" -9	B.S.W.
GTC-3129	GTC-3177	GTC-3225	GTC-3274	7/8" -11	B.S.F.
GTC-3130	GTC-3178	GTC-3226	GTC-3275	15/16" -9	B.S.W.
GTC-3131	GTC-3179	GTC-3227	GTC-3276	15/16" -11	B.S.F.
GTC-3132	GTC-3180	GTC-3228	GTC-3277	1" -8	B.S.W.
GTC-3133	GTC-3181	GTC-3229	GTC-3278	1" -10	B.S.F.
GTC-3134	GTC-3182	GTC-3230	GTC-3279	1-1/8" -7	B.S.W.
GTC-3135	GTC-3183	GTC-3231	GTC-3280	1-1/8" -9	B.S.F.
GTC-3136	GTC-3184	GTC-3233	GTC-3281	1-1/4" -7	B.S.W.
GTC-3137	GTC-3185	GTC-3234	GTC-3282	1-1/4" -9	B.S.F.
GTC-3138	GTC-3186	GTC-3235	GTC-3283	1-3/8" -6	B.S.W.
GTC-3139	GTC-3187	GTC-3236	GTC-3284	1-3/8" -8	B.S.F.
GTC-3140	GTC-3188	GTC-3237	GTC-3285	1-1/2" -6	B.S.W.
GTC-3141	GTC-3189	GTC-3238	GTC-3286	1-1/2" -8	B.S.F.
GTC-3142	GTC-3190	GTC-3239	GTC-3287	1-5/8" -5	B.S.W.
GTC-3143	GTC-3191	GTC-3240	GTC-3288	1-5/8" -8	B.S.F.
GTC-3144	GTC-3192	GTC-3241	GTC-3299	1-3/4" -5	B.S.W.
GTC-3145	GTC-3193	GTC-3242	GTC-3300	1-3/4" -7	B.S.F.
GTC-4000	GTC-4004	GTC-4008	GTC-4102	1 7/8-4 1/2	B.S.W.
GTC-4001	GTC-4005	GTC-4009	GTC-4103	1 7/8 -7	B.S.F.
GTC-4002	GTC-4006	GTC-4100	GTC-4104	2" -4 1/2	B.S.W.
GTC-4003	GTC-4007	GTC-4101	GTC-4105	2" -7	B.S.F.

(Also Available in H.S.S)

08

CARBON ROUND DIES B.S.W. / B.S.F.



Cat No		Size	Outer Dia. of Dies
Right hand Die Set	Left hand Die Set		
GDR-3684	GDR-3733	1/16" -60 B.S.W.	13/16"
GDR-3685	GDR-3734	3/32" -48 B.S.W.	13/16"
GDR-3686	GDR-3735	1/8" -40 B.S.W.	13/16"
GDR-3687	GDR-3736	5/32" -32 B.S.W.	13/16"
GDR-3688	GDR-3737	3/16" -24 B.S.W.	1"
GDR-3689	GDR-3738	3/16" -32 B.S.F.	1"
GDR-3690	GDR-3739	7/32" -24 B.S.W.	1"
GDR-3691	GDR-3740	7/32" -28 B.S.F.	1"
GDR-3692	GDR-3741	1/4" -20 B.S.W.	1"
GDR-3693	GDR-3742	1/4" -26 B.S.F.	1"
GDR-3694	GDR-3743	9/32" -20 B.S.W.	1"
GDR-3695	GDR-3744	9/32" -26 B.S.F.	1"
GDR-3696	GDR-3745	5/16" -18 B.S.W.	1"
GDR-3697	GDR-3746	5/16" -22 B.S.F.	1"
GDR-3698	GDR-3747	3/8" -16 B.S.W.	1"
GDR-3699	GDR-3748	3/8" -20 B.S.F.	1"
GDR-3701	GDR-3749	7/16" -14 B.S.W.	1-1/2"
GDR-3702	GDR-3750	7/16" -18 B.S.F.	1-1/2"
GDR-3703	GDR-3751	1/2" -12 B.S.W.	1-1/2"
GDR-3704	GDR-3752	1/2" -16 B.S.F.	1-1/2"
GDR-3705	GDR-3753	9/16" -12 B.S.W.	1-1/2"
GDR-3706	GDR-3754	9/16" -16 B.S.F.	1-1/2"
GDR-3707	GDR-3755	5/8" -11 B.S.W.	1-1/2"
GDR-3708	GDR-3756	5/8" -14 B.S.F.	1-1/2"
GDR-3709	GDR-3757	11/16" -11 B.S.W.	1-1/2"
GDR-3710	GDR-3758	11/16" -14 B.S.F.	1-1/2"
GDR-3711	GDR-3759	3/4" -10 B.S.W.	1-1/2"
GDR-3712	GDR-3760	3/4" -12 B.S.F.	1-1/2"
GDR-3713	GDR-3761	13/16" -10 B.S.W.	2"
GDR-3714	GDR-3762	13/16" -12 B.S.F.	2"
GDR-3715	GDR-3763	7/8" -9 B.S.W.	2"
GDR-3716	GDR-3764	7/8" -11 B.S.F.	2"
GDR-3717	GDR-3765	15/16" -9 B.S.W.	2"
GDR-3718	GDR-3766	15/16" -11 B.S.F.	2"
GDR-3719	GDR-3767	1" -8 B.S.W.	2"
GDR-3720	GDR-3768	1" -10 B.S.F.	2"
GDR-3721	GDR-3769	1-1/8" -7 B.S.W.	2-1/2"
GDR-3722	GDR-3770	1-1/8" -9 B.S.F.	2-1/2"
GDR-3723	GDR-3771	1-1/4" -7 B.S.W.	2-1/2"
GDR-3724	GDR-3772	1-1/4" -9 B.S.F.	2-1/2"
GDR-3725	GDR-3773	1-3/8" -6 B.S.W.	2-1/2"
GDR-3726	GDR-3774	1-3/8" -8 B.S.F.	2-1/2"
GDR-3727	GDR-3775	1-1/2" -6 B.S.W.	2-1/2"
GDR-3728	GDR-3776	1-1/2" -8 B.S.F.	2-1/2"
GDR-3729	GDR-3777	1-5/8" -5 B.S.W.	3"
GDR-3730	GDR-3778	1-5/8" -8 B.S.F.	3"
GDR-3731	GDR-3779	1-3/4" -5 B.S.W.	3"
GDR-3732	GDR-3780	1-3/4" -7 B.S.F.	3"
GDR-4401	GDR-4403	2" -4 1/2 B.S.W.	4"
GDR-4402	GDR-4404	2" -7 B.S.F.	4"

(Also Available in H.S.S)

09

CARBON ROUND DIES B.S.P.



Cat No.		Size	Outer Dia. of Dies
Right Hand Dies	Left Hand Dies		
GDR-4140	GDR-4152	1/8" -28 B.S.P	1"
GDR-4141	GDR-4153	1/4" -19 B.S.P	1.1/2"
GDR-4142	GDR-4154	3/8" -19 B.S.P	1.1/2"
GDR-4143	GDR-4155	1/2" -14 B.S.P	2"
GDR-4144	GDR-4156	5/8" -14 B.S.P	2"
GDR-4145	GDR-4157	3/4" -14 B.S.P	2"
GDR-4146	GDR-4158	7/8" -14 B.S.P	2.1/4"
GDR-4147	GDR-4159	1" -11 B.S.P	3"
GDR-4148	GDR-4160	1.1/8" -11 B.S.P	3"
GDR-4149	GDR-4161	1.1/4" -11 B.S.P	3"
GDR-4150	GDR-4162	1.1/2" -11 B.S.P	4"
GDR-4151	GDR-4163	2" -11 B.S.P	4"

(Also Available in H.S.S)

10

SETS OF CARBON ROUND DIES B.S.W. / B.S.F.



Cat No		Description
Right hand Die Set	Left hand Die Set	
GDR-3781	GDR-3790	5 PC Set 1/4" to 1/2" B.S.W.
GDR-3782	GDR-3791	5 PC Set 1/4" to 1/2" B.S.F.
GDR-3783	GDR-3792	10 PC Set 1/4" to 1/2" B.S.W.
GDR-3783A	GDR-3792A	10 PC Set 1/4" to 1/2" B.S.F.
GDR-3784	GDR-3793	8 PC Set 1/4" to 3/4" B.S.W.
GDR-3785	GDR-3794	8 PC Set 1/4" to 3/4" B.S.F.
GDR-3786	GDR-3795	16 PC Set 1/4" to 3/4" B.S.W.
GDR-3786A	GDR-3795A	16 PC Set 1/4" to 3/4" B.S.F.
GDR-3787	GDR-3796	10 PC Set 1/4" to 1" B.S.W.
GDR-3788	GDR-3797	10 PC Set 1/4" to 1" B.S.F.
GDR-3789	GDR-3798	20 PC Set 1/4" to 1" B.S.W.
GDR-3789A	GDR-3798A	20 PC Set 1/4" to 1" B.S.F.

11

CARBON TAPS - UNC/UNF AS PER ASME / ANSI B94.9

Cat No			Thread Size	No. of Flutes	Thread Length	Overall Length	Set of Three Plug, Bottom & Taper Taps
Plug	Bottoming	Taper					
GTC-2920	GTC-2948	GTC-2976	1/4" -20 UNC	4	1"	2-1/2"	GTC-3005
GTC-2921	GTC-2949	GTC-2977	1/4" -28 UNF	4	1"	2-1/2"	GTC-3006
GTC-2922	GTC-2950	GTC-2978	5/16" -18 UNC	4	1-1/8"	2-23/32"	GTC-3007
GTC-2923	GTC-2951	GTC-2979	5/16" -24 UNF	4	1-1/8"	2-23/32"	GTC-3008
GTC-2924	GTC-2952	GTC-2980	3/8" -16 UNC	4	1-1/4"	2-15/16"	GTC-3009
GTC-2925	GTC-2953	GTC-2981	3/8" -24 UNF	4	1-1/4"	2-15/16"	GTC-3010
GTC-2926	GTC-2954	GTC-2982	7/16" -14 UNC	4	1-7/16"	3-5/32"	GTC-3011
GTC-2927	GTC-2955	GTC-2983	7/16" -20 UNF	4	1-7/16"	3-5/32"	GTC-3012
GTC-2928	GTC-2956	GTC-2984	1/2" -13 UNC	4	1-21/32"	3-3/8"	GTC-3013
GTC-2929	GTC-2957	GTC-2985	1/2" -20 UNF	4	1-21/32"	3-3/8"	GTC-3014
GTC-2930	GTC-2958	GTC-2986	9/16" -12 UNC	4	1-21/32"	3-19/32"	GTC-3015
GTC-2931	GTC-2959	GTC-2987	9/16" -18 UNF	4	1-21/32"	3-19/32"	GTC-3016
GTC-2932	GTC-2960	GTC-2988	5/8" -11 UNC	4	1-13/16"	3-13/16"	GTC-3017
GTC-2933	GTC-2961	GTC-2989	5/8" -18 UNF	4	1-13/16"	3-13/16"	GTC-3018
GTC-2934	GTC-2962	GTC-2990	3/4" -10 UNC	4	2"	4-1/4"	GTC-3019
GTC-2935	GTC-2963	GTC-2991	3/4" -16 UNF	4	2"	4-1/4"	GTC-3020
GTC-2936	GTC-2964	GTC-2992	7/8" -9 UNC	4	2-7/32"	4-11/16"	GTC-3021
GTC-2937	GTC-2965	GTC-2993	7/8" -14 UNF	4	2-7/32"	4-11/16"	GTC-3022
GTC-2938	GTC-2966	GTC-2994	1" -8 UNC	4	2-1/2"	5-1/8"	GTC-3023
GTC-2939	GTC-2967	GTC-2995	1" -12 UNF	4	2-1/2"	5-1/8"	GTC-3024
GTC-2940	GTC-2968	GTC-2996	1-1/8" -7 UNC	4	2-9/16"	5-7/16"	GTC-3025
GTC-2941	GTC-2969	GTC-2997	1-1/8" -12 UNF	4	2-9/16"	5-7/16"	GTC-3026
GTC-2942	GTC-2970	GTC-2998	1-1/4" -7 UNC	4	2-9/16"	5-3/4"	GTC-3027
GTC-2943	GTC-2971	GTC-2999	1-1/4" -12 UNF	6	2-9/16"	5-3/4"	GTC-3028
GTC-2944	GTC-2972	GTC-3001	1-3/8" -6 UNC	4	3"	6-1/16"	GTC-3029
GTC-2945	GTC-2973	GTC-3002	1-3/8" -12 UNF	6	3"	6-1/16"	GTC-3030
GTC-2946	GTC-2974	GTC-3003	1-1/2" -6 UNC	4	3"	6-3/8"	GTC-3031
GTC-2947	GTC-2975	GTC-3004	1-1/2" -12 UNF	6	3"	6-3/8"	GTC-3032



(Also Available in H.S.S)

12

CARBON TAPER PIPE TAPS

NPT THREADS



Cat No	THREAD SIZE		No. of Flutes	Thread Length	Overall Length
GTC-3033	1/8" -27	NPT	4	3/4"	2-1/8"
GTC-3034	1/4" -18	NPT	4	1-1/16"	2-7/16"
GTC-3035	3/8" -18	NPT	4	1-1/16"	2-9/16"
GTC-3036	1/2" -14	NPT	4	1-3/8"	3-1/8"
GTC-3037	3/4" -14	NPT	5	1-3/8"	3-1/4"
GTC-3038	1" -11-1/2	NPT	5	1-3/4"	3-3/4"
GTC-3039	1-1/4" -11-1/2	NPT	5	1-3/4"	4"
GTC-3040	1-1/2" -11-1/2	NPT	7	1-3/4"	4-1/4"
GTC-3041	2" -11-1/2	NPT	7	1-3/4"	4-1/2"

(Also Available in H.S.S.)

14

MACHINE SCREW CARBON TAPS



Cat No			Set of Three Plug, Bottom & Taper Taps	Size	No. of Flutes	Thread Length
Plug	Bottoming	Taper				
GTC-3042	GTC-3056	GTC-3070	GTC-3084	0-80	2	5/16"
GTC-3043	GTC-3057	GTC-3071	GTC-3085	1-64	2	3/8"
GTC-3044	GTC-3058	GTC-3072	GTC-3086	1-72	2	3/8"
GTC-3045	GTC-3059	GTC-3073	GTC-3087	2-56	3	7/16"
GTC-3046	GTC-3060	GTC-3074	GTC-3088	3-48	3	1/2"
GTC-3047	GTC-3061	GTC-3075	GTC-3089	3-56	3	1/2"
GTC-3048	GTC-3062	GTC-3076	GTC-3090	4-40	3	9/16"
GTC-3049	GTC-3063	GTC-3077	GTC-3091	4-48	3	9/16"
GTC-3050	GTC-3064	GTC-3078	GTC-3092	5-40	3	5/8"
GTC-3051	GTC-3065	GTC-3079	GTC-3093	6-32	3	11/16"
GTC-3052	GTC-3066	GTC-3080	GTC-3094	6-40	3	11/16"
GTC-3053	GTC-3067	GTC-3081	GTC-3095	8-32	4	3/4"
GTC-3054	GTC-3068	GTC-3082	GTC-3096	10-24	4	7/8"
GTC-3055	GTC-3069	GTC-3083	GTC-3097	10-32	4	7/8"

13

CARBON TAPS & DIES

METRIC SIZES



Cat No			Set of Three Plug, Bottom & Taper Taps	Cat No		Size
Plug	Bottoming	Taper		Right Hand Dies	Left Hand Dies	
GTC-3341	GTC-3368	GTC-3395	GTC-3422	GDH-3449	GDH-3476	2mm x 0.4
GTC-3342	GTC-3369	GTC-3396	GTC-3423	GDH-3450	GDH-3477	3mm x 0.5
GTC-3343	GTC-3370	GTC-3397	GTC-3424	GDH-3451	GDH-3478	4mm x 0.7
GTC-3344	GTC-3371	GTC-3398	GTC-3425	GDH-3452	GDH-3479	5mm x 0.8
GTC-3345	GTC-3372	GTC-3399	GTC-3426	GDH-3453	GDH-3480	6mm x 1.0
GTC-3346	GTC-3373	GTC-3400	GTC-3427	GDH-3454	GDH-3481	7mm x 1.0
GTC-3347	GTC-3374	GTC-3401	GTC-3428	GDH-3455	GDH-3482	8mm x 1.25
GTC-3348	GTC-3375	GTC-3402	GTC-3429	GDH-3456	GDH-3483	9mm x 1.25
GTC-3349	GTC-3376	GTC-3403	GTC-3430	GDH-3457	GDH-3484	10mm x 1.5
GTC-3350	GTC-3377	GTC-3404	GTC-3431	GDH-3458	GDH-3485	11mm x 1.5
GTC-3351	GTC-3378	GTC-3405	GTC-3432	GDH-3459	GDH-3486	12mm x 1.75
GTC-3352	GTC-3379	GTC-3406	GTC-3433	GDH-3460	GDH-3487	14mm x 2.0
GTC-3353	GTC-3380	GTC-3407	GTC-3434	GDH-3461	GDH-3488	16mm x 2.0
GTC-3354	GTC-3381	GTC-3408	GTC-3435	GDH-3462	GDH-3489	18mm x 2.5
GTC-3355	GTC-3382	GTC-3409	GTC-3436	GDH-3463	GDH-3490	20mm x 2.5
GTC-3356	GTC-3383	GTC-3410	GTC-3437	GDH-3464	GDH-3491	22mm x 2.5
GTC-3357	GTC-3384	GTC-3411	GTC-3438	GDH-3465	GDH-3492	24mm x 3.0
GTC-3358	GTC-3385	GTC-3412	GTC-3439	GDH-3466	GDH-3493	25mm x 3.0
GTC-3359	GTC-3386	GTC-3413	GTC-3440	GDH-3467	GDH-3494	27mm x 3.0
GTC-3360	GTC-3387	GTC-3414	GTC-3441	GDH-3468	GDH-3495	30mm x 3.5
GTC-3361	GTC-3388	GTC-3415	GTC-3442	GDH-3469	GDH-3496	33mm x 3.5
GTC-3362	GTC-3389	GTC-3416	GTC-3443	GDH-3470	GDH-3497	36mm x 4.0
GTC-3363	GTC-3390	GTC-3417	GTC-3444	GDH-3471	GDH-3498	39mm x 4.0
GTC-3364	GTC-3391	GTC-3418	GTC-3445	GDH-3472	GDH-3499	40mm x 4.0
GTC-3365	GTC-3392	GTC-3419	GTC-3446	GDH-3473	GDH-3500	42mm x 4.5
GTC-3366	GTC-3393	GTC-3420	GTC-3447	GDH-3474	GDH-3501	45mm x 4.5
GTC-3367	GTC-3394	GTC-3421	GTC-3448	GDH-3475	GDH-3502	48mm x 5.0
GTC-4415	GTC-4416	GTC-4417	GTC-4418	GDC-4419	GDC-4420	50mm x 5.0

*Special Sizes can be supplied on request (Also Available in H.S.S.)

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CARBON TAPS & DIES

B.A.



Cat No			Set of Three Plug, Bottom & Taper Taps	Cat No Right Hand Dies	Size
Plug	Bottoming	Taper			
GTC-4170	GTC-4181	GTC-4192	GTC-3301	GDH-3321	0 BA
GTC-4171	GTC-4182	GTC-4193	GTC-3302	GDH-3322	1 BA
GTC-4172	GTC-4183	GTC-4194	GTC-3303	GDH-3323	2 BA
GTC-4173	GTC-4184	GTC-4195	GTC-3304	GDH-3324	3 BA
GTC-4174	GTC-4185	GTC-4196	GTC-3305	GDH-3325	4 BA
GTC-4175	GTC-4186	GTC-4197	GTC-3306	GDH-3326	5 BA
GTC-4176	GTC-4187	GTC-4198	GTC-3307	GDH-3327	6 BA
GTC-4177	GTC-4188	GTC-4199	GTC-3308	GDH-3328	7 BA
GTC-4178	GTC-4189	GTC-4200	GTC-3309	GDH-3329	8 BA
GTC-4179	GTC-4190	GTC-4201	GTC-3310	GDH-3330	9 BA
GTC-4180	GTC-4191	GTC-4202	GTC-3311	GDH-3331	10 BA

(Also Available in H.S.S)

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CARBON TAPS & DIES

M.E.



Specifications Confirm to BS 122 / PART 2
1964 Taper 1 in 48 Dimensions in Inches

Cat No			Set of Three Plug, Bottom & Taper Taps	Cat No Right Hand Dies	Size
Plug	Bottoming	Taper			
GTC-4215	GTC-4226	GTC-4237	GTC-3312	GDH-3332	5/32 x 40 M.E.
GTC-4216	GTC-4227	GTC-4238	GTC-3313	GDH-3333	3/16 x 40 M.E.
GTC-4217	GTC-4228	GTC-4239	GTC-3314	GDH-3334	7/32 x 40 M.E.
GTC-4218	GTC-4229	GTC-4240	GTC-3315	GDH-3335	1/4 x 40 M.E.
GTC-4219	GTC-4230	GTC-4241	GTC-3316	GDH-3336	9/32 x 32 M.E.
GTC-4220	GTC-4231	GTC-4242	GTC-3317	GDH-3337	5/16 x 32 M.E.
GTC-4221	GTC-4232	GTC-4243	GTC-3318	GDH-3338	3/8 x 32 M.E.
GTC-4222	GTC-4233	GTC-4244	GTC-3319	GDH-3339	7/16 x 26 M.E.
GTC-4223	GTC-4234	GTC-4245	GTC-3320	GDH-3340	1/2 x 26 M.E.

(Also Available in H.S.S)

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HEXAGONAL DIES

B.S.W. / B.S.F.



B.S.W		B.S.F		mm	
Size	Cat No	Size	Cat No	Size	Cat No
1/8" - 40	GDH-4250				
5/32" - 32	GDH-4251				
3/16" - 24	GDH-4252	3/16" - 32	GDH-4273		
7/32" - 24	GDH-4253	7/32" - 28	GDH-4274		
1/4" - 20	GDH-4254	1/4" - 26	GDH-4275		
9/32" - 20	GDH-4255	9/32" - 26	GDH-4276	6x1.0	GDH-4297
5/16" - 18	GDH-4256	5/16" - 22	GDH-4277	7x1.0	GDH-4298
3/8" - 16	GDH-4257	3/8" - 20	GDH-4278	8x1.25	GDH-4299
7/16" - 14	GDH-4258	7/16" - 18	GDH-4279	9x1.25	GDH-4300
1/2" - 12	GDH-4259	1/2" - 16	GDH-4280	10x1.5	GDH-4301
9/16" - 12	GDH-4260	9/16" - 16	GDH-4281	11x1.5	GDH-4302
5/8" - 11	GDH-4261	5/8" - 14	GDH-4282	12x1.75	GDH-4303
3/4" - 10	GDH-4262	3/4" - 12	GDH-4283	14x2.00	GDH-4304
7/8" - 9	GDH-4263	7/8" - 11	GDH-4284	16x2.00	GDH-4305
1" - 8	GDH-4264	1" - 10	GDH-4285	18x2.5	GDH-4306
1.1/8" - 7	GDH-4265	1.1/8" - 9	GDH-4286	20x2.5	GDH-4307
1.1/4" - 7	GDH-4266	1.1/4" - 9	GDH-4287	22x2.5	GDH-4308
1.3/8" - 6	GDH-4267	1.3/8" - 8	GDH-4288	24x3.0	GDH-4309
1.1/2" - 6	GDH-4268	1.1/2" - 8	GDH-4289	27x3.0	GDH-4310
1.3/4" - 5	GDH-4269	1.3/4" - 7	GDH-4290	30x3.5	GDH-4311
2" - 4.1/2	GDH-4270	2" - 7	GDH-4291	33x3.5	GDH-4312

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HEXAGONAL DIES

B.A.



Cat No	Size
GDH-4320	0 BA
GDH-4321	1 BA
GDH-4322	2 BA
GDH-4323	3 BA
GDH-4324	4 BA
GDH-4325	5 BA
GDH-4326	6 BA
GDH-4327	7 BA
GDH-4328	8 BA
GDH-4329	9 BA
GDH-4330	10 BA

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HEXAGONAL DIES

B.S.P.



Cat No	Size
GDH-4331	1/8" x 28
GDH-4332	1/4" x 19
GDH-4333	3/8 x 19
GDH-4334	1/2 x 14
GDH-4335	5/8 x 14
GDH-4336	3/4 x 14
GDH-4337	7/8 x 14
GDH-4338	1" x 11
GDH-4339	1.1/4" x 11
GDH-4340	1.1/2" x 11
GDH-4341	2" x 11

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CARBON DIES

AS PER ASME / ANS B94.9



(A) HEXAGONAL DIES

UNC / UNF

Cat No		Size	
Right hand Die Set	Left hand Die Set		
GDH-3503	GDH-3546	1/4" 20	UNC
GDH-3504	GDH-3547	1/4" -28	UNF
GDH-3505	GDH-3548	5/16" -18	UNC
GDH-3506	GDH-3549	5/16" -24	UNF
GDH-3507	GDH-3550	3/8" -16	UNC
GDH-3508	GDH-3551	3/8" -24	UNF
GDH-3509	GDH-3552	7/16" -14	UNC
GDH-3510	GDH-3553	7/16" -20	UNF
GDH-3511	GDH-3554	1/2" -13	UNC
GDH-3512	GDH-3555	1/2" -20	UNF
GDH-3513	GDH-3556	9/16" -12	UNC
GDH-3514	GDH-3557	9/16" -18	UNF
GDH-3515	GDH-3558	5/8" -11	UNC
GDH-3516	GDH-3559	5/8" -18	UNF
GDH-3531	GDH-3574	3/4" -10	UNC
GDH-3532	GDH-3575	3/4" -16	UNF
GDH-3533	GDH-3576	7/8" -9	UNC
GDH-3534	GDH-3577	7/8" -14	UNF
GDH-3535	GDH-3578	1" -8	UNC
GDH-3536	GDH-3579	1" 12	UNF
GDH-3537	GDH-3580	1" -14	UNF
GDH-3538	GDH-3581	1-1/8" -7	UNC
GDH-3539	GDH-3582	1-1/8" -12	UNF
GDH-3540	GDH-3583	1-1/4" -7	UNC
GDH-3541	GDH-3584	1-1/4" -12	UNF
GDH-3542	GDH-3585	1-3/8" -6	UNC
GDH-3543	GDH-3586	1-3/8" -12	UNF
GDH-3544	GDH-3587	1-1/2" -6	UNC
GDH-3545	GDH-3588	1-1/2" -12	UNF



(B) HEXAGONAL DIE SETS

Cat No		Description
Right hand Die Set	Left hand Die Set	
GDH-3589	GDH-3598	5 PC Set 1/4" to 1/2" UNC
GDH-3590	GDH-3599	5 PC Set 1/4" to 1/2" UNF
GDH-3591	GDH-3600	10 PC Set 1/4" to 1/2" UNC
GDH-3591A	GDH-3600A	10 PC Set 1/4" to 1/2" UNF
GDH-3592	GDH-3601	8 PC Set 1/4" to 3/4" UNC
GDH-3593	GDH-3602	8 PC Set 1/4" to 3/4" UNF
GDH-3594	GDH-3603	16 PC Set 1/4" to 3/4" UNC
GDH-3594A	GDH-3603A	16 PC Set 1/4" to 3/4" UNF
GDH-3595	GDH-3604	10 PC Set 1/4" to 1" UNC
GDH-3596	GDH-3605	10 PC Set 1/4" to 1" UNF
GDH-3597	GDH-3606	20 PC Set 1/4" to 1" UNC
GDH-3597A	GDH-3606A	20 PC Set 1/4" to 1" UNF

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CARBON ROUND DIES SETS

UNC / UNF



Cat No		Description
Right hand Die Set	Left hand Die Set	
GDR-3665	GDR-3674	5 PC Set 1/4" to 1/2" UNC
GDR-3666	GDR-3675	5 PC Set 1/4" to 1/2" UNF
GDR-3667	GDR-3676	10 PC Set 1/4" to 1/2" UNC
GDR-3667A	GDR-3676A	10 PC Set 1/4" to 1/2" UNF
GDR-3668	GDR-3678	8 PC Set 1/4" to 3/4" UNC
GDR-3669	GDR-3679	8 PC Set 1/4" to 3/4" UNF
GDR-3670	GDR-3680	16 PC Set 1/4" to 3/4" UNC
GDR-3670A	GDR-3680A	16 PC Set 1/4" to 3/4" UNF
GDR-3671	GDR-3681	10 PC Set 1/4" to 1" UNC
GDR-3672	GDR-3682	10 PC Set 1/4" to 1" UNF
GDR-3673	GDR-3683	20 PC Set 1/4" to 1" UNC
GDR-3673A	GDR-3683A	20 PC Set 1/4" to 1" UNF

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CARBON ROUND DIES

UNC / UNF



Cat No		Size	Outer Dia.
Right hand Die Set	Left hand Die Set		
GDR-3607	GDR-3636	1/4" - 20 UNC	1"
GDR-3608	GDR-3637	1/4" - 28 UNF	1"
GDR-3609	GDR-3638	5/16" - 18 UNC	1"
GDR-3610	GDR-3639	5/16" - 24 UNF	1"
GDR-3611	GDR-3640	3/8" - 16 UNC	1"
GDR-3612	GDR-3641	3/8" - 24 UNF	1"
GDR-3613	GDR-3642	7/16" - 14 UNC	1-1/2"
GDR-3614	GDR-3643	7/16" - 20 UNF	1-1/2"
GDR-3615	GDR-3644	1/2" - 13 UNC	1-1/2"
GDR-3616	GDR-3645	1/2" - 20 UNF	1-1/2"
GDR-3617	GDR-3646	9/16" - 12 UNC	1-1/2"
GDR-3618	GDR-3647	9/16" - 18 UNF	1-1/2"
GDR-3619	GDR-3648	5/8" - 11 UNC	1-1/2"
GDR-3620	GDR-3649	5/8" - 18 UNF	1-1/2"
GDR-3621	GDR-3650	3/4" - 10 UNC	1-1/2"
GDR-3622	GDR-3651	3/4" - 16 UNF	1-1/2"
GDR-3623	GDR-3652	7/8" - 9 UNC	2"
GDR-3624	GDR-3653	7/8" - 14 UNF	2"
GDR-3625	GDR-3654	1" - 8 UNC	2"
GDR-3626	GDR-3655	1" - 12 UNF	2"
GDR-3627	GDR-3656	1" - 14 UNS	2"
GDR-3628	GDR-3657	1-1/8" - 7 UNC	2-1/2"
GDR-3629	GDR-3658	1-1/8" - 12 UNF	2-1/2"
GDR-3630	GDR-3659	1-1/4" - 7 UNC	2-1/2"
GDR-3631	GDR-3660	1-1/4" - 12 UNF	2-1/2"
GDR-3632	GDR-3661	1-3/8" - 6 UNC	2-1/2"
GDR-3633	GDR-3662	1-3/8" - 12 UNF	2-1/2"
GDR-3634	GDR-3663	1-1/2" - 6 UNC	2-1/2"
GDR-3635	GDR-3664	1-1/2" - 12 UNF	2-1/2"

(Also Available in H.S.S)

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COMPLETE TAPS & ROUND DIES SETS



Cat No	Sizes		No. of Sizes	No. of Pc
GTS-4350	1/16, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4	BSW	7	31
GTS-4351	1/8, 5/32, 3/16, 7/32, 1/4	BSW	5	23
GTS-4352	1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8,7/16,1/2	BSW	9	42
GTS-4353	1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8, 7/16,1/2	BSF	9	42
GTS-4354	1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8, 7/16,1/2	UNF	9	42
GTS-4355	1/4, 5/16, 3/8, 7/16, 1/2	BSW	5	24
GTS-4356	1/4, 5/16, 3/8, 7/16, 1/2	BSF	5	24
GTS-4357	1/4, 5/16, 3/8, 7/16, 1/2	UNF	5	24
GTS-4358	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4	BSW	7	33
GTS-4359	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4	BSF	7	33
GTS-4360	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4	UNF	7	33
GTS-4361	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1	BSW	9	42
GTS-4362	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1	BSF	9	42
GTS-4363	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1	UNF	9	42
GTS-4364	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1", 1.1/4", 1.1/2	BSW	11	52
GTS-4365	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1", 1.1/8, 1.1/4", 1.3/8", 1.1/2"	BSW	13	60
GTS-4366	2, 3, 4, 5, 6,	mm	5	23
GTS-4367	2, 3, 4, 5, 6, 7, 8, 9, 10	mm	9	40
GTS-4368	3, 4, 5, 6, 7, 8, 10, 12	mm	8	37
GTS-4369	4, 5, 6, 7, 8, 10, 12	mm	7	33
GTS-4370	6, 7, 8, 10, 12	mm	5	24
GTS-4371	6, 8, 10, 12, 14, 16, 18	mm	7	33
GTS-4372	6, 8, 10, 12, 14, 16, 18, 20	mm	8	37
GTS-4373	6, 8, 10, 12, 14, 16, 18, 20, 22, 24	mm	10	46
GTS-4374	6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 25, 27,30	mm	13	59
GTS-4375	12, 14, 16, 18, 20	mm	5	23
GTS-4376	0, 1, 2, 3, 4, 5, 6	BA	7	31
GTS-4377	0, 1, 2, 3, 4, 5, 6, 7, 8	BA	9	39
GTS-4378	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10	BA	11	47
GTS-4379	1/8, 1/4, 3/8, 1/2, 5/8, 3/4	BSP	6	25
GTS-4380	1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1"	BSP	8	32
GTS-4381	1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1", 1.1/8, 1.1/4	BSP	10	38
GTS-4382	1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1", 1.1/8", 1.1/4", 1.3/8", 1.1/2	BSP	12	45

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COMBINED DRILLS & COUNTER SINKS

A) PLAIN TYPE

(AS PER ANSI B94.11M)



Cat No			Size	Body Dia.	Drill Dia.	Overall Length
60°	82°	90°		A	D	L
GCD-2540	GCD-2553	GCD-2566	00	1/8"	.025"	1-1/8"
GCD-2541	GCD-2554	GCD-2567	0	1/8"	1/32"	1-1/8"
GCD-2542	GCD-2555	GCD-2568	1	1/8"	3/64"	1-1/4"
GCD-2543	GCD-2556	GCD-2569	2	3/16"	5/64"	1-7/8"
GCD-2544	GCD-2557	GCD-2570	3	1/4"	7/64"	2"
GCD-2545	GCD-2558	GCD-2571	4	5/16"	1/8"	2-1/8"
GCD-2546	GCD-2559	GCD-2572	4-1/2	3/8"	9/64"	2-1/2"
GCD-2547	GCD-2560	GCD-2573	5	7/16"	3/16"	2-3/4"
GCD-2548	GCD-2561	GCD-2574	6	1/2"	7/32"	3"
GCD-2549	GCD-2562	GCD-2575	7	5/8"	1/4"	3-1/4"
GCD-2550	GCD-2563	GCD-2576	8	3/4"	5/16"	3-1/2"
GCD-2551	GCD-2564	GCD-2577	9	7/8"	11/32"	3-5/8"
GCD-2552	GCD-2565	GCD-2578	10	1"	3/8"	3-3/4"

SET OF PLAIN TYPE

60°	82°	90°	Range	No. of Pc
GCD-2579	GCD-2580	GCD-2581	1 to 5	5

(B) BELL TYPE 60°



Cat No	Size	Body Dia. A	Drill Dia. B	Bell Dia. E	Overall Length L
GCD-2582	11	1/8"	3/64"	.100"	1-1/4"
GCD-2583	12	3/16"	1/16"	.150"	1-7/8"
GCD-2584	13	1/4"	3/32"	.200"	2"
GCD-2585	14	5/16"	7/64"	.250"	2-1/8"
GCD-2586	15	7/16"	5/32"	.350"	2-3/4"
GCD-2587	16	1/2"	3/16"	.400"	3"
GCD-2588	17	5/8"	7/32"	.500"	3-1/4"
GCD-2589	18	3/4"	1/4"	.600"	3-1/2"
GCD-2590	Set of 5 Pc from Size 11 to Size 15				

(C) PLAIN TYPE 60° LONG SERIES



Cat No	Size	Body Dia.	Drill Dia.	Overall Length
GCD-2591	1	1/8"	3/64"	3"
GCD-2592	1	1/8"	3/64"	4"
GCD-2593	1	1/8"	3/64"	5"
GCD-2594	1	1/8"	3/64"	6"
GCD-2595	2	3/16"	5/64"	3"
GCD-2596	2	3/16"	5/64"	4"
GCD-2597	2	3/16"	5/64"	5"
GCD-2598	2	3/16"	5/64"	6"
GCD-2599	3	1/4"	7/64"	4"
GCD-2601	3	1/4"	7/64"	5"
GCD-2602	3	1/4"	7/64"	6"
GCD-2603	4	5/16"	1/8"	4"
GCD-2604	4	5/16"	1/8"	5"
GCD-2605	4	5/16"	1/8"	6"
GCD-2606	5	7/16"	3/16"	4"
GCD-2607	5	7/16"	3/16"	5"
GCD-2608	5	7/16"	3/16"	6"
GCD-2609	6	1/2"	7/32"	4"
GCD-2610	6	1/2"	7/32"	5"
GCD-2611	6	1/2"	7/32"	6"
GCD-2612	7	5/8"	1/4"	6"
GCD-2613	8	3/4"	5/16"	6"

SET OF PLAIN TYPE

Cat No	Range	No. of Pc
GCD-2614	1/8"x4", 3/16"x4", 1/4"x4", 5/16"x5" & 7/16"x6"	5

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HSS CENTER DRILLS



BS
328

(Part 2 - 1950 Dimensions in Inches)

Cat No	BS No.	Body Dia.	Pilot Dia.	Overall length
GCD-5441	1	1/8"	3/64"	1.1/2"
GCD-5442	2	3/16"	1/16"	1.3/4"
GCD-5443	3	1/4"	3/32"	2"
GCD-5444	4	5/16"	1/8"	2.1/4"
GCD-5445	5	7/16"	3/16"	2.1/2"
GCD-5446	6	5/8"	1/4"	3"
GCD-5447	7	3/4"	5/16"	3.1/2"

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CENTER DRILLS

TYPE "A"

DIN
333



Cat No	Pilot Dia	Body Dia	O.A.L
GCD-5430	1mm	3.15mm	31.5mm
GCD-5431	1.25mm	3.15mm	31.5mm
GCD-5432	1.6mm	4.0mm	35.5mm
GCD-5433	2.0mm	5.0mm	40mm
GCD-5434	2.5mm	6.3mm	45mm
GCD-5435	3.15mm	8.0mm	50mm
GCD-5436	4.0mm	10.0mm	56mm
GCD-5437	5.0mm	12.5mm	63mm
GCD-5438	6.3mm	16.0mm	71mm
GCD-5439	8.0mm	20.0mm	80mm
GCD-5440	10.0mm	25.0mm	100mm

TYPE "B"

DIN
333



Cat No	Pilot Dia	Body Dia	O.A.L
GCD-5455	1mm	4mm	35.5mm
GCD-5448	2mm	8mm	50mm
GCD-5449	2.5mm	10mm	56mm
GCD-5450	3.15mm	11.2mm	60mm
GCD-5451	4mm	14mm	67mm
GCD-5452	5mm	18mm	75mm
GCD-5453	6.3mm	20mm	80mm
GCD-5454	8mm	25mm	100mm

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HSS CENTER REAMERS (3-FLUTE)



(AS PER ANSI B94.2)

Cat No			Size	Shank Diameter	Overall Length
60°	82°	90°			
GCR-2510	GCR-2519	GCR-2528	1/4"	3/16"	1-1/2"
GCR-2511	GCR-2520	GCR-2529	3/8"	1/4"	1-3/4"
GCR-2512	GCR-2521	GCR-2530	1/2"	3/8"	2"
GCR-2513	GCR-2522	GCR-2531	5/8"	3/8"	2-1/4"
GCR-2514	GCR-2523	GCR-2532	3/4"	1/2"	2-5/8"
GCR-2515	GCR-2524	GCR-2533	1"	1/2"	2-3/4"
GCR-2516	GCR-2525	GCR-2534	1-1/4"	3/4"	3-1/2"
GCR-2517	GCR-2526	GCR-2535	1-1/2"	3/4"	3-1/2"
GCR-2518	GCR-2527	GCR-2536	2"	3/4"	3-3/4"

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ZERO FLUTE COUNTERSINKS & DEBURRING TOOL



Cat No 82°		Size	Range of Cut				Shank Dia	
Inch	mm		Small Dia		Large Dia		Inch	mm
GCS-2150	GCS-2156	0 Double End	1/16	2	15/64	5	1/4	6
GCS-2151	GCS-2157	1 Single End	5/32	5	13/32	10	1/4	8
GCS-2152	GCS-2158	2 Single End	3/16	10	17/32	15	1/4	10
GCS-2153	GCS-2159	3 Single End	5/16	15	25/32	20	1/2	12
GCS-2154	GCS-2160	4 Single End	9/16	20	1-1/16	25	1/2	15
GCS-2155	GCS-2161	Set of 5 pieces Size 0, 1, 2, 3 & 4 on a wooden Stand						

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SETS OF SINGLE FLUTE COUNTERSINKS



Cat No			Range	No. of Pc	Case
60°	82°	90°			
GCS-2166	GCS-2206	GCS-2615	1/4", 3/8" & 1/2"	3	Plastic Pouch
GCS-2167	GCS-2207	GCS-2616	1/4", 3/8", 1/2", 3/4" & 1"	5	Wood Stand
GCS-2168	GCS-2208	GCS-2617	3/16", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8" & 1"	9	Wood Stand
GCS-2169	GCS-2209	GCS-2618	3/16", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/4", 1-1/2" & 2"	12	Wood Stand

30

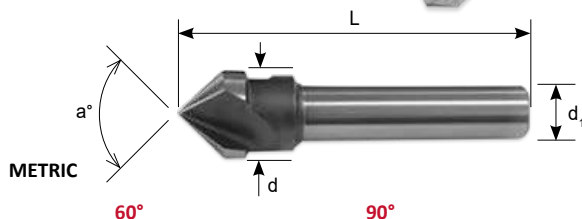
SETS OF HSS CENTER REAMERS



Cat No			Range	No. of Pc	Packing
60°	82°	90°			
GCR-2615	GCR-2617	GCR-2619	1/4", 3/8" & 1/2"	3	Plastic Pouch
GCR-2616	GCR-2618	GCR-2620	1/4", 3/8", 1/2", 3/4" & 1"	5	Wood Stand

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COUNTERSINK 3 FLUTE



Cat No	L	Cat No	L	d	d1
GCS-2250	45	GCS-2257	45	6.3	5
GCS-2251	50	GCS-2258	50	8	6
GCS-2252	50	GCS-2259	50	10	6
GCS-2253	56	GCS-2260	56	12.5	8
GCS-2254	63	GCS-2261	60	16	10
GCS-2255	67	GCS-2262	63	20	10
GCS-2256	71	GCS-2263	67	25	10

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SIX FLUTE COUNTERSINKS



Cat No			Size	Shank Diameter	Overall Length
60°	82°	90°			
GCS-2210	GCS-2223	GCS-2236	3/16"	3/16"	1-1/2"
GCS-2211	GCS-2224	GCS-2237	1/4"	1/4"	2"
GCS-2212	GCS-2225	GCS-2238	5/16"	1/4"	2"
GCS-2213	GCS-2226	GCS-2239	3/8"	1/4"	2"
GCS-2214	GCS-2227	GCS-2240	1/2"	1/4"	2"
GCS-2215	GCS-2228	GCS-2241	5/8"	1/2"	2-3/4"
GCS-2216	GCS-2229	GCS-2242	3/4"	1/2"	2-3/4"
GCS-2217	GCS-2230	GCS-2243	7/8"	1/2"	2-3/4"
GCS-2218	GCS-2231	GCS-2244	1"	1/2"	2-3/4"
GCS-2219	GCS-2232	GCS-2245	1-1/4"	3/4"	3-3/8"
GCS-2220	GCS-2233	GCS-2246	1-1/2"	3/4"	3-1/2"
GCS-2221	GCS-2234	GCS-2247	1-3/4"	1"	4-1/4"
GCS-2222	GCS-2235	GCS-2248	2"	1"	4-3/8"

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HSS SINGLE FLUTE COUNTERSINKS



Cat No				Size	Shank Dia.	Overall Length
60°	82°	90°	100°			
GCS-2142	GCS-2170	GCS-2182	GCS-2194	3/16"	3/16"	1-1/2"
GCS-2143	GCS-2171	GCS-2183	GCS-2195	1/4"	1/4"	2"
GCS-2144	GCS-2172	GCS-2184	GCS-2196	5/16"	1/4"	2"
GCS-2145	GCS-2173	GCS-2185	GCS-2197	3/8"	1/4"	2"
GCS-2146	GCS-2174	GCS-2186	GCS-2198	1/2"	1/4"	2"
GCS-2147	GCS-2175	GCS-2187	GCS-2199	5/8"	1/2"	2-1/4"
GCS-2148	GCS-2176	GCS-2188	GCS-2200	3/4"	1/2"	2-3/4"
GCS-2149	GCS-2177	GCS-2189	GCS-2201	7/8"	1/2"	2-3/4"
GCS-2162	GCS-2178	GCS-2190	GCS-2202	1"	1/2"	2-3/4"
GCS-2163	GCS-2179	GCS-2191	GCS-2203	1-1/4"	3/4"	3"
GCS-2164	GCS-2180	GCS-2192	GCS-2204	1-1/2"	3/4"	3-3/8"
GCS-2165	GCS-2181	GCS-2193	GCS-2205	2"	3/4"	3-3/4"

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SETS OF SIX FLUTE COUNTERSINKS

Cat No			Range	No. of Pc	Packing
60°	82°	90°			
GCS-3810	GCS-3814	GCS-3818	1/4", 3/8" & 1/2"	3	Plastic Pouch
GCS-3811	GCS-3815	GCS-3819	1/4", 3/8", 1/2", 3/4" & 1"	5	Wood Stand
GCS-3812	GCS-3816	GCS-3820	1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8" & 1"	8	Wood Stand
GCS-3813	GCS-3817	GCS-3821	3/16", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8", 1" & 1-1/4"	10	Wood Stand



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TAPER PIPE REAMERS

(AS PER ANSI B94.2)

Cat No		N.P.T. Size	Flute Length	Nominal Diameter		Over All Length
Spiral Flute	Straight Flute			Large End	Small End	
GPR-2100	GPR-2109	1/8"	3/4"	.362"	.316"	2-1/8"
GPR-2101	GPR-2110	1/4"	1-1/16"	.472"	.406"	2-7/16"
GPR-2102	GPR-2111	3/8"	1-1/16"	.606"	.540"	2-9/16"
GPR-2103	GPR-2112	1/2"	1-3/8"	.751"	.665"	3-1/8"
GPR-2104	GPR-2113	3/4"	1-3/8"	.962"	.876"	3-1/4"
GPR-2105	GPR-2114	1"	1-3/4"	1.212"	1.103"	3-3/4"
GPR-2106	GPR-2115	1-1/4"	1-3/4"	1.553"	1.444"	4"
GPR-2107	GPR-2116	1-1/2"	1-3/4"	1.793"	1.684"	4-1/4"
GPR-2108	GPR-2117	2"	1-3/4"	2.268"	2.159"	4-1/2"



SETS OF TAPER PIPE REAMERS

Cat No		Range	No. of Pc
Straight Flute	Spiral Flute		
GPR-2121	GPR-2123	3/8", 1/2", 3/4" & 1"	4
GPR-2122	GPR-2124	1/4", 3/8", 1/2", 3/4" & 1"	5

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TAPER PIN REAMERS

(AS PER ANSI B94.2)

Cat No			Size	Shank Dia.	Diameter		Flute Length	Over All Length
Straight Flute	Spiral Flute	Helical Flute			Small End	Large End		
GTR-2001	GTR-2022	GTR-2043	7/0	5/64"	.0497"	.0666"	13/16"	1-13/16"
GTR-2002	GTR-2023	GTR-2044	6/0	3/32"	.0611"	.0806"	15/16"	1-15/16"
GTR-2003	GTR-2024	GTR-2045	5/0	7/64"	.0719"	.0966"	1-3/16"	2-3/16"
GTR-2004	GTR-2025	GTR-2046	4/0	1/8"	.0869"	.1142"	1-5/16"	2-5/16"
GTR-2005	GTR-2026	GTR-2047	3/0	9/64"	.1029"	.1302"	1-5/16"	2-5/16"
GTR-2006	GTR-2027	GTR-2048	2/0	5/32"	.1137"	.1462"	1-9/16"	2-9/16"
GTR-2007	GTR-2028	GTR-2049	0	11/64"	.1287"	.1638"	1-11/16"	2-15/16"
GTR-2008	GTR-2029	GTR-2050	1	3/16"	.1447"	.1798"	1-11/16"	2-15/16"
GTR-2009	GTR-2030	GTR-2051	2	13/64"	.1605"	.2008"	1-15/16"	3-3/16"
GTR-2010	GTR-2031	GTR-2052	3	15/64"	.1813"	.2294"	2-5/16"	3-11/16"
GTR-2011	GTR-2032	GTR-2053	4	17/64"	.2071"	.2604"	2-9/16"	4-1/16"
GTR-2012	GTR-2033	GTR-2054	5	5/16"	.2409"	.2994"	2-13/16"	4-5/16"
GTR-2013	GTR-2034	GTR-2055	6	23/64"	.2773"	.3540"	3-11/16"	5-7/16"
GTR-2014	GTR-2035	GTR-2056	7	13/32"	.3297"	.4220"	4-7/16"	6-5/16"
GTR-2015	GTR-2036	GTR-2057	8	7/16"	.3971"	.5050"	5-3/16"	7-3/16"
GTR-2016	GTR-2037	GTR-2058	9	9/16"	.4805"	.6066"	6-1/16"	8-5/16"
GTR-2017	GTR-2038	GTR-2059	10	5/8"	.5799"	.7216"	6-13/16"	9-5/16"
GTR-2018	GTR-2039	GTR-2060	11	3/4"	.7060"	.8780"	8-1/4"	11-1/4"
GTR-2019	GTR-2040	GTR-2061	12	7/8"	.8420"	1.0500"	10"	13-5/8"
GTR-2020	GTR-2041	GTR-2062	13	1-1/4"	1.0090"	1.2590"	12"	16"
GTR-2021	GTR-2042	GTR-2063	14	1-1/2"	1.2500"	1.5420"	14"	18-1/4"



CUTTING TOOLS

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SETS OF TAPER PIN REAMERS

Taper 1/4" Per Foot (1 in 48)

Cat No			Range	No. of Pc
Straight Flute	Spiral Flute	Helical Flute		
GTR-2080	GTR-2084	GTR-2088	7/0 to 0	7
GTR-2081	GTR-2085	GTR-2089	0 to 5	6
GTR-2082	GTR-2086	GTR-2090	0 to 10	11
GTR-2083	GTR-2087	GTR-2091	7/0 to 10	17



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CHUCKING REAMERS - STRAIGHT SHANK

(AS PER ANSI B94.2)



Cat No		Size	Decimal Equivalent	Flute Length	Overall Length	No. of Flutes
Straight Flute	Spiral Flute					
GCR-2320	GCR-2369	1/8"	.1250"	7/8"	3-1/2"	4
GCR-2321	GCR-2370	9/64"	.1406"	1"	4"	4
GCR-2322	GCR-2371	5/32"	.1562"	1"	4"	4
GCR-2323	GCR-2372	11/64"	.1719"	1-1/8"	4-1/2"	6
GCR-2324	GCR-2373	3/16"	.1875"	1-1/8"	4-1/2"	6
GCR-2325	GCR-2374	13/64"	.148"	1-1/4"	5"	6
GCR-2326	GCR-2375	7/32"	.2188"	1-1/4"	5"	6
GCR-2327	GCR-2376	15/64"	.2344"	1-1/2"	6"	6
GCR-2328	GCR-2377	1/4"	.2500"	1-1/2"	6"	6
GCR-2329	GCR-2378	17/64"	.2656"	1-1/2"	6"	6
GCR-2330	GCR-2379	9/32"	.2812"	1-1/2"	6"	6
GCR-2331	GCR-2380	19/64"	.2969"	1-1/2"	6"	6
GCR-2332	GCR-2381	5/16"	.3125"	1-1/2"	6"	6
GCR-2333	GCR-2382	21/64"	.3281"	1-1/2"	6"	6
GCR-2334	GCR-2383	11/32"	.3438"	1-1/2"	6"	6
GCR-2335	GCR-2384	23/64"	.3594"	1-3/4"	7"	6
GCR-2336	GCR-2385	3/8"	.3750"	1-3/4"	7"	6
GCR-2337	GCR-2386	25/64"	.3906"	1-3/4"	7"	6
GCR-2338	GCR-2387	13/32"	.4062"	1-3/4"	7"	6
GCR-2339	GCR-2388	27/64"	.4219"	1-3/4"	7"	6
GCR-2340	GCR-2389	7/16"	.4375"	1-3/4"	7"	6
GCR-2341	GCR-2390	29/64"	.4531"	1-3/4"	7"	6
GCR-2342	GCR-2391	15/32"	.4688"	1-3/4"	7"	6
GCR-2343	GCR-2392	31/64"	.4844"	2"	8"	6
GCR-2344	GCR-2393	1/2"	.5000"	2"	8"	6
GCR-2345	GCR-2394	17/32"	.5312"	2"	8"	6
GCR-2346	GCR-2395	9/16"	.5625"	2"	8"	6
GCR-2347	GCR-2396	19/32"	.5938"	2"	8"	6
GCR-2348	GCR-2397	5/8"	.6250"	2-1/4"	9"	8
GCR-2349	GCR-2398	21/32"	.6562"	2-1/4"	9"	8
GCR-2350	GCR-2399	11/16"	.6875"	2-1/4"	9"	8
GCR-2351	GCR-2400	23/32"	.7188"	2-1/4"	9"	8
GCR-2352	GCR-2401	3/4"	.7500"	2-1/2"	9-1/2"	8
GCR-2353	GCR-2402	25/32"	.7812"	2-1/2"	9-1/2"	8
GCR-2354	GCR-2403	13/16"	.8125"	2-1/2"	9-1/2"	8
GCR-2355	GCR-2404	27/32"	.8438"	2-1/2"	9-1/2"	8
GCR-2356	GCR-2405	7/8"	.8750"	2-5/8"	10"	8
GCR-2357	GCR-2406	29/32"	.9062"	2-5/8"	10"	8
GCR-2358	GCR-2407	15/16"	.9375"	2-5/8"	10"	8
GCR-2359	GCR-2409	31/32"	.9688"	2-5/8"	10"	8
GCR-2360	GCR-2410	1"	1.0000"	2-3/4"	10-1/2"	8
GCR-2361	GCR-2411	1-1/16"	1.0625"	2-3/4"	10-1/2"	10
GCR-2362	GCR-2412	1-1/8"	1.1250"	2-7/8"	11"	10
GCR-2363	GCR-2413	1-3/16"	1.1875"	2-7/8"	11"	10
GCR-2364	GCR-2414	1-1/4"	1.2500"	3"	11-1/2"	10

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MORSE TAPER FINISHING REAMERS - STRAIGHT FLUTE

(AS PER ANSI B94.2)



Cat No		Diameter of Reamer			Flute Length	Overall Length	
Hand Style	Machine Style	Size	Small End	Large End		Hand Style	Machine Style
GTR-2130	GTR-2136	OMT	.2503"	.3674"	2-1/4"	3-3/4"	5-11/32"
GTR-2131	GTR-2137	1MT	.3674"	.5170"	3"	5"	6-5/16"
GTR-2132	GTR-2138	2MT	.5696"	.7444"	3-1/2"	6"	7-3/8"
GTR-2133	GTR-2139	3MT	.7748"	.9881"	4-1/4"	7-1/4"	8-7/8"
GTR-2134	GTR-2140	4MT	1.0167"	1.2893"	5-1/4"	8-1/2"	10-7/8"
GTR-2135	GTR-2141	5MT	1.4717"	1.8005"	6-1/4"	9-3/4"	13-1/8"

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CHUCKING REAMERS - TAPER SHANK

(AS PER ANSI B94.2)



Cat No					
Straight Flute	Spiral Flute	Size	Flute Length	Over All Length	MT Shank
GCR-2420	GCR-2453	1/4"	1-1/2"	6"	1
GCR-2421	GCR-2454	9/32"	1-1/2"	6"	1
GCR-2422	GCR-2455	5/16"	1-1/2"	6"	1
GCR-2423	GCR-2456	11/32"	1-1/2"	6"	1
GCR-2424	GCR-2457	3/8"	1-3/4"	7"	1
GCR-2425	GCR-2458	13/32"	1-3/4"	7"	1
GCR-2426	GCR-2459	7/16"	1-3/4"	7"	1
GCR-2427	GCR-2460	15/32"	1-3/4"	7"	1
GCR-2428	GCR-2461	1/2"	2"	8"	1
GCR-2429	GCR-2462	17/32"	2"	8"	1
GCR-2430	GCR-2463	9/16"	2"	8"	1
GCR-2431	GCR-2464	19/32"	2"	8"	1
GCR-2432	GCR-2465	5/8"	2-1/4"	9"	2
GCR-2433	GCR-2466	21/32"	2-1/4"	9"	2
GCR-2434	GCR-2467	11/16"	2-1/4"	9"	2
GCR-2435	GCR-2468	23/32"	2-1/4"	9"	2
GCR-2436	GCR-2469	3/4"	2-1/2"	9-1/2"	2
GCR-2437	GCR-2470	25/32"	2-1/2"	9-1/2"	2
GCR-2438	GCR-2471	13/16"	2-1/2"	9-1/2"	2
GCR-2439	GCR-2472	27/32"	2-1/2"	9-1/2"	2
GCR-2440	GCR-2473	7/8"	2-5/8"	10"	2
GCR-2441	GCR-2474	29/32"	2-5/8"	10"	2
GCR-2442	GCR-2475	15/16"	2-5/8"	10"	3
GCR-2443	GCR-2476	31/32"	2-5/8"	10"	3
GCR-2444	GCR-2477	1"	2-3/4"	10-1/2"	3
GCR-2445	GCR-2478	1-1/16"	2-3/4"	10-1/2"	3
GCR-2446	GCR-2479	1-1/8"	2-7/8"	11"	3
GCR-2447	GCR-2480	1-3/16"	2-7/8"	11"	3
GCR-2448	GCR-2481	1-1/4"	3"	11-1/2"	4
GCR-2449	GCR-2482	1-5/16"	3"	11-1/2"	4
GCR-2450	GCR-2483	1-3/8"	3-1/4"	12"	4
GCR-2451	GCR-2484	1-7/16"	3-1/4"	12"	4
GCR-2452	GCR-2485	1-1/2"	3-1/2"	12-1/2"	4

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MINIATURE DOUBLE END MILLS - 3/16" SHANK



(A). STUB LENGTH L = 2"

(AS PER ANSI B94.19)

Cat No		Size D	Length of Cut W
2 Flutes	4 Flutes		
GEM-2628	GEM-2635	3/32"	9/64"
GEM-2629	GEM-2636	7/64"	5/32"
GEM-2630	GEM-2637	1/8"	3/16"
GEM-2631	GEM-2638	9/64"	7/32"
GEM-2632	GEM-2639	5/32"	15/64"
GEM-2633	GEM-2640	11/64"	1/4"
GEM-2634	GEM-2641	3/16"	9/32"

(B). REGULAR LENGTH L = 2.1/4"

(AS PER ANSI B94.19)

Cat No		Size D	Length of Cut W
2 Flutes	4 Flutes		
GEM-2648	GEM-2641-A	3/32"	9/32"
GEM-2649	GEM-2642	7/64"	21/64"
GEM-2650	GEM-2643	1/8"	3/8"
GEM-2651	GEM-2644	9/64"	13/32"
GEM-2652	GEM-2645	5/32"	7/16"
GEM-2653	GEM-2646	11/64"	1/2"
GEM-2654	GEM-2647	3/16"	1/2"

(C). LONG LENGTH

(AS PER ANSI B94.19)

Cat No		Size D	Length Below Shank B	Length of Cut W	Overall Length L
2 Flutes	4 Flutes				
GEM-2655	GEM-2662	3/32"	1/2"	9/32"	2-5/8"
GEM-2656	GEM-2663	7/64"	1/2"	9/32"	2-5/8"
GEM-2657	GEM-2664	1/8"	3/4"	3/4"	3-1/8"
GEM-2658	GEM-2665	9/64"	3/4"	3/4"	3-1/8"
GEM-2659	GEM-2666	5/32"	7/8"	7/8"	3-1/4"
GEM-2660	GEM-2667	11/64"	7/8"	7/8"	3-1/4"
GEM-2661	GEM-2668	3/16"	1"	1"	3-3/8"

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SINGLE-END END MILLS

(A). SINGLE END 2 FLUTE

(AS PER ANSI B94.19)

Cat No	Size D	Shank Dia. S	Flute Length W	Overall Length L
GEM-2670	1/8"	3/8"	3/8"	2-5/16"
GEM-2671	5/32"	3/8"	7/16"	2-5/16"
GEM-2672	3/16"	3/8"	7/16"	2-5/16"
GEM-2673	7/32"	3/8"	1/2"	2-5/16"
GEM-2674	1/4"	3/8"	1/2"	2-5/16"
GEM-2675	9/32"	3/8"	9/16"	2-5/16"
GEM-2676	5/16"	3/8"	9/16"	2-5/16"
GEM-2677	11/32"	3/8"	9/16"	2-5/16"
GEM-2678	3/8"	3/8"	9/16"	2-5/16"
GEM-2679	13/32"	3/8"	13/16"	2-1/2"
GEM-2680	7/16"	3/8"	13/16"	2-1/2"
GEM-2681	15/32"	1/2"	1"	3"
GEM-2682	1/2"	3/8"	13/16"	2-1/2"
GEM-2683	1/2"	1/2"	1"	3"
GEM-2684	17/32"	1/2"	1-1/8"	3-1/8"
GEM-2685	9/16"	1/2"	1-1/8"	3-1/8"
GEM-2686	19/32"	1/2"	1-1/8"	3-1/8"
GEM-2687	5/8"	1/2"	1-1/8"	3-1/8"
GEM-2688	5/8"	5/8"	1-5/16"	3-7/16"
GEM-2689	21/32"	1/2"	1-5/16"	3-5/16"
GEM-2690	11/16"	1/2"	1-5/16"	3-5/16"
GEM-2691	11/16"	5/8"	1-5/16"	3-7/16"
GEM-2692	23/32"	1/2"	1-5/16"	3-5/16"
GEM-2693	3/4"	1/2"	1-5/16"	3-5/16"
GEM-2694	3/4"	5/8"	1-5/16"	3-7/16"
GEM-2695	3/4"	3/4"	1-5/16"	3-7/16"

GEM-2696 6PC Set of End Mill Single End Double Flute 3/8" Shank consisting of 1/8", 3/16", 1/4", 5/16", 3/8" & 1/2"



(B). SINGLE END 4 FLUTE

(AS PER ANSI B94.19)

Cat No	Size D	Shank Dia. S	Flute Length W	Overall Length L
GEM-2697	1/8"	3/8"	3/8"	2-5/16"
GEM-2698	5/32"	3/8"	7/16"	2-3/8"
GEM-2699	3/16"	3/8"	1/2"	2-3/8"
GEM-2700	7/32"	3/8"	5/8"	2-1/2"
GEM-2701	1/4"	3/8"	5/8"	2-1/2"
GEM-2702	9/32"	3/8"	5/8"	2-1/2"
GEM-2703	5/16"	3/8"	3/4"	2-1/2"
GEM-2704	11/32"	3/8"	3/4"	2-1/2"
GEM-2705	3/8"	3/8"	3/4"	2-1/2"
GEM-2706	13/32"	3/8"	1"	2-11/16"
GEM-2707	7/16"	3/8"	1"	2-11/16"
GEM-2708	15/32"	3/8"	1"	2-11/16"
GEM-2709	1/2"	3/8"	1"	2-11/16"
GEM-2710	1/2"	1/2"	1-1/4"	3-1/4"

GEM-2711 6PC Set of End Mill Single End 4 Flute 3/8" Shank consisting of 1/8", 3/16", 1/4", 5/16", 3/8" & 1/2"

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DOUBLE-END HSS END MILLS

(A). DOUBLE END 2 FLUTE

(AS PER ANSI B94.19)



Cat No	Size D	Shank Dia. S	Flute Length W	Overall Length L
GEM-2712	7/64"	3/8"	3/8"	3-1/16"
GEM-2712A	1/8"	3/8"	3/8"	3-1/16"
GEM-2713	9/64"	3/8"	7/16"	3-1/8"
GEM-2714	5/32"	3/8"	7/16"	3-1/8"
GEM-2715	11/64"	3/8"	7/16"	3-1/8"
GEM-2716	3/16"	3/8"	7/16"	3-1/8"
GEM-2717	13/64"	3/8"	1/2"	3-1/8"
GEM-2718	7/32"	3/8"	1/2"	3-1/8"
GEM-2719	15/64"	3/8"	1/2"	3-1/8"
GEM-2720	1/4"	3/8"	1/2"	3-1/8"
GEM-2721	17/64"	3/8"	9/16"	3-1/8"
GEM-2722	9/32"	3/8"	9/16"	3-1/8"
GEM-2723	19/64"	3/8"	9/16"	3-1/8"
GEM-2724	5/16"	3/8"	9/16"	3-1/8"
GEM-2725	21/64"	3/8"	9/16"	3-1/8"
GEM-2726	11/32"	3/8"	9/16"	3-1/8"
GEM-2727	23/64"	3/8"	9/16"	3-1/8"
GEM-2728	3/8"	3/8"	9/16"	3-1/8"
GEM-2729	25/64"	1/2"	13/16"	3-3/4"
GEM-2730	13/32"	1/2"	13/16"	3-3/4"
GEM-2731	27/64"	1/2"	13/16"	3-3/4"
GEM-2732	7/16"	1/2"	13/16"	3-3/4"
GEM-2733	29/64"	1/2"	13/16"	3-3/4"
GEM-2734	15/32"	1/2"	13/16"	3-3/4"
GEM-2735	31/64"	1/2"	13/16"	3-3/4"
GEM-2736	1/2"	1/2"	13/16"	3-3/4"
GEM-2737	6PC Set of Double End Mills 2 Flute 3/8" Shank consisting of 1/8", 5/32", 3/16", 1/4", 5/16" & 3/8"			

(B). HSS DOUBLE END 4 FLUTE

(AS PER ANSI B94.19)



Cat No	Size D	Shank Dia. S	Flute Length W	Overall Length L
GEM-2738	7/64"	3/8"	3/8"	3-1/16"
GEM-2739	1/8"	3/8"	3/8"	3-1/16"
GEM-2740	9/64"	3/8"	7/16"	3-1/8"
GEM-2741	5/32"	3/8"	7/16"	3-1/8"
GEM-2742	11/64"	3/8"	1/2"	3-1/4"
GEM-2743	3/16"	3/8"	1/2"	3-1/4"
GEM-2744	13/64"	3/8"	9/16"	3-1/4"
GEM-2745	7/32"	3/8"	9/16"	3-1/4"
GEM-2746	15/64"	3/8"	5/8"	3-3/8"
GEM-2747	1/4"	3/8"	5/8"	3-3/8"
GEM-2748	17/64"	3/8"	11/16"	3-3/8"
GEM-2749	9/32"	3/8"	11/16"	3-3/8"
GEM-2750	19/64"	3/8"	3/4"	3-1/2"
GEM-2751	5/16"	3/8"	3/4"	3-1/2"
GEM-2752	21/64"	3/8"	3/4"	3-1/2"
GEM-2753	11/32"	3/8"	3/4"	3-1/2"
GEM-2755	23/64"	3/8"	3/4"	3-1/2"
GEM-2756	3/8"	3/8"	3/4"	3-1/2"
GEM-2757	25/64"	1/2"	1"	4-1/8"
GEM-2758	13/32"	1/2"	1"	4-1/8"
GEM-2759	27/64"	1/2"	1"	4-1/8"
GEM-2760	7/16"	1/2"	1"	4-1/8"
GEM-2761	29/64"	1/2"	1"	4-1/8"
GEM-2762	15/32"	1/2"	1"	4-1/8"
GEM-2763	31/64"	1/2"	1"	4-1/8"
GEM-2764	1/2"	1/2"	1"	4-1/8"
GEM-2765	6PC Set of Double End Mills 4 Flute 3/8" Shank consisting of 1/8", 5/32", 3/16", 1/4", 5/16" & 3/8"			

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SET OF STRAIGHT SHANK CHUCKING REAMERS



Cat No		Range	No. of Pc
Straight Flute	Spiral Flute		
GCR-4376	GCR-4378	1/8" TO 1/2" BY 1/64"	25
GCR-4377	GCR-4379	1/8" TO 1/2" BY 1/16"	7
GCR-4329	GCR-4330	1/16" TO 1/2" BY 1/64"	29

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SET OF OVER AND UNDER CHUCKING REAMERS



Cat No	Range	Description	No. of Pc
GCR-4380	1/8" to 1/2" by 1/16" (.124 thru .501)	Straight Shank & Straight Flute	14

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SOCKET CAP SCREW COUNTER BORES



STRAIGHT SHANK

METRIC

Cat No	To Suit Capscrew	Pilot Dia.	Cutting Dia.	Shank Dia.	Overall Length
GCB-5450	M3	3.2	6	5	71
GCB-5451	M3.5	3.7	6.5	5	71
GCB-5452	M4	4.3	8	5	71
GCB-5453	M5	5.3	10	8	80
GCB-5454	M6	6.4	11	8	80
GCB-5455	M8	8.4	15	12.5	100
GCB-5456	M10	10.5	18	12.5	100
GCB-5457	M12	13	20	12.5	100

INCHES

Cat No	Screw Size	Pilot Dia.	Cutting Dia.	Shank Dia.	Overall Length
GCB-2770	1/4"	9/32"	13/32"	3/8"	5"
GCB-2771	5/16"	11/32"	1/2"	7/16"	5"
GCB-2772	3/8"	13/32"	19/32"	1/2"	6"
GCB-2773	7/16"	15/32"	11/16"	1/2"	7"
GCB-2774	1/2"	17/32"	25/32"	3/4"	7-1/2"
GCB-2775	5/8"	21/32"	31/32"	3/4"	7-1/2"
GCB-2776	3/4"	25/32"	1-3/16"	1"	8"

- Also available in MORSE Taper Shanks

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SETS OF STRAIGHT SHANK COUNTER BORES



Cat No	Range	No. of Pc
GCB-3822	6, 8, 10, 1/4", 5/16", 3/8" & 1/2"	7
GCB-3823	1/4", 5/16", 3/8", 1/2", 5/8" & 3/4"	6
GCB-3824	M4, M5, M6, M8, M10 & M12	6

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DOVETAIL CUTTER SINGLE ANGLE



(AS PER ANSI / ASME B94.19)

Cat No		Size	Cutter Width		Shank Dia.	Over All Length
45°	60°		45°	60°		
GDC-2250	GDC-2258	3/8"	1/8"	3/16"	3/8"	2-1/8"
GDC-2251	GDC-2259	1/2"	5/32"	1/4"	3/8"	2-1/8"
GDC-2252	GDC-2260	3/4"	1/4"	5/16"	3/8"	2-1/8"
GDC-2253	GDC-2261	1"	1/4"	7/16"	1/2"	2-1/2"
GDC-2254	GDC-2262	1-3/8"	7/16"	9/16"	5/8"	2-7/8"
GDC-2255	GDC-2263	1-7/8"	9/16"	13/16"	7/8"	3-1/4"
GDC-2256	GDC-2264	2-1/4"	5/8"	1-1/16"	1"	3-3/4"
GDC-2257	GDC-2265	2-1/2"	3/4"	1-1/8"	1"	3-3/4"

SETS OF DOVETAIL CUTTER

(AS PER ANSI / ASME B94.19)

Cat No		Size	No. of Pc	Packing
45°	60°			
GDC-3824	GDC-3826	3/8", 1/2", & 3/4"	3	Plastic Pouch
GDC-3825	GDC-3827	3/8", 1/2", 3/4", 1-3/8" & 1-7/8"	5	Wood Stand

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DOUBLE ANGLE SHANK TYPE CUTTERS



(A). 60° DOUBLE ANGLE

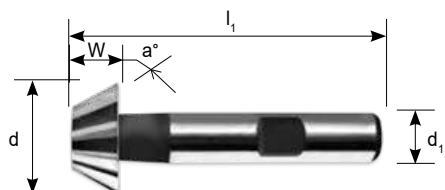
Cat No	Cutter Dia.	Face Width	Shank Dia.	Over All Length
GSC-2280	3/4"	3/16"	3/8"	3/8"
GSC-2281	1"	5/16"	1/2"	1/2"
GSC-2282	1-3/8"	7/16"	5/8"	5/8"
GSC-2283	1-1/2"	1/2"	5/8"	5/8"
GSC-2284	1-7/8"	5/8"	3/4"	3/4"
GSC-2285	2-1/4"	3/4"	7/8"	7/8"

(B). 90° DOUBLE ANGLE

Cat No	Cutter Dia.	Face Width	Shank Dia.	Over All Length
GCS-2286	3/4"	1/4"	3/8"	2-7/16"
GCS-2287	1"	3/8"	1/2"	2-29/32"
GCS-2288	1-3/8"	1/2"	5/8"	3-9/32"
GCS-2289	1-1/2"	9/16"	5/8"	3-7/16"
GCS-2290	1-7/8"	5/8"	3/4"	3-25/32"
GCS-2291	2-1/4"	3/4"	7/8"	4-5/32"

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INVERTED DOVETAIL CUTTERS



DIN
1833

METRIC

45°		60°		d	d1	No. of Teeth
Cat No	W	Cat No	W			
GID-5458	4	GID-5463	6.3	16	12	6
GID-5459	5	GID-5464	8	20	12	8
GID-5460	6.3	GID-5465	10	25	12	10
GID-5461	8	GID-5466	12.5	32	16	12
GID-5462	10	GID-5467	16	40	16	14

INCHES

Cat No		Size	Cutter Width		Shank Dia.	Over All Length
45°	60°		45°	60°		
GSC-2271	GSC-2275	1/2"	1/8"	7/32"	3/8"	2-1/8"
GSC-2272	GSC-2276	3/4"	3/16"	5/16"	3/8"	2-1/8"
GSC-2273	GSC-2277	1"	5/16"	7/16"	1/2"	2-1/2"
GSC-2274	GSC-2278	1-1/2"	1/2"	5/8"	3/4"	2-3/4"

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T-SLOT CUTTERS



INCHES

Cat No	Bolt Size	Cutter Dia.	Cutter Width	Neck Dia.	Shank Dia.	No. of Teeth	O.A.L
GST-5471	1/4"	9/16"	15/64"	17/64"	1/2"	8	2.19/32"
GST-5472	5/16"	21/32"	17/64"	21/64"	1/2"	8	2.11/16"
GST-5473	3/8"	25/32"	21/64"	13/32"	3/4"	8	3.1/4"
GST-5474	1/2"	31/32"	25/64"	17/32"	3/4"	8	3.7/16"
GST-5475	5/8"	1.1/4"	31/64"	21/32"	1"	10	3.15/16"
GST-5476	3/4"	1.15/32"	5/8"	25/32"	1"	10	4.7/16"
GST-5477	1"	1.27/32"	53/64"	1.1/32"	1.1/4"	10	4.13/16"
GST-5478	1.1/4"	2.7/32"	1.3/32"	1.9/32"	1.1/4"	12	5.3/8"

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RADIUS SHANK TYPE CUTTERS

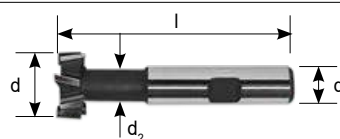


(A). CONCAVE

Cat No	Radius	Cutter Dia.	Shank Dia.	No. of Flutes	Over All Length
GCR-2292	1/32"	3/4"	1/2"	6	3"
GCR-2293	1/16"	3/4"	1/2"	6	3"
GCR-2294	3/32"	3/4"	1/2"	6	3"
GCR-2295	1/8"	1"	3/4"	6	3-1/2"
GCR-2296	5/32"	1"	3/4"	6	3-1/2"
GCR-2297	3/16"	1"	3/4"	6	3-1/2"
GCR-2298	1/4"	1-1/4"	3/4"	4	4"
GCR-2299	5/16"	1-1/4"	3/4"	4	4"
GCR-2300	3/8"	1-1/2"	3/4"	4	4-3/16"

(B). CONVEX

Cat No	Radius	Cutter Dia.	Shank Dia.	No. of Flutes	Over All Length
GCR-2301	1/32"	3/4"	1/2"	6	3"
GCR-2302	1/16"	3/4"	1/2"	6	3"
GCR-2303	3/32"	7/8"	1/2"	6	3"
GCR-2304	1/8"	1-1/4"	3/4"	6	3-1/2"
GCR-2305	5/32"	1-5/16"	3/4"	6	3-1/2"
GCR-2306	3/16"	1-3/8"	3/4"	6	3-1/2"
GCR-2307	1/4"	1-1/2"	3/4"	4	4"
GCR-2308	5/16"	1-5/8"	3/4"	4	4"
GCR-2309	3/8"	1-3/4"	3/4"	4	4"



DIN
851

METRIC

Cat No	Bolt Size	d	W	d1	d2	l1	No. of teeth
GST-5463	6	12.5	6	10	5	57	6
GST-5464	8	16	8	10	7	62	6
GST-5465	10	18	8	12	8	70	6
GST-5466	12	21	9	12	10	74	6
GST-5467	14	25	11	16	12	82	8
GST-5468	16	28	12	16	13	85	8
GST-5469	18	32	14	16	15	90	8
GST-5470	20	36	16	25	17	103	10
GST-5471	22	40	18	25	19	108	10

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HSS PARALLEL SHANK END MILLS



(Specifications Confirm to IS6353-1971 Dimensions in mm)

Cat No	Cutting Edge Dia.	Dia. of Shank	STANDARD SERIES		Cat No	LONG SERIES	
			Cutting Edge Length	Over all Length		Cutting Edge Length	Over all Length
GEM-5477	3	4	10	42	GEM-5460	15	47
GEM-5478	4	4	11	43	GEM-5461	19	51
GEM-5479	5	5	13	47	GEM-5462	24	58
GEM-5480	6	6	16	52	GEM-5463	30	66
GEM-5481	7	6	16	52	GEM-5464	30	66
GEM-5482	8	8	19	59	GEM-5465	38	78
GEM-5483	9	8	19	59	GEM-5466	38	78
GEM-5484	10	10	22	67	GEM-5467	45	90
GEM-5485	11	10	22	67	GEM-5468	45	90
GEM-5486	12	12	26	76	GEM-5469	53	101
GEM-5487	14	12	26	76	GEM-5470	53	101
GEM-5488	16	16	32	88	GEM-5471	63	119
GEM-5489	18	16	32	88	GEM-5472	63	119
GEM-5490	20	20	38	101	GEM-5473	75	138
GEM-5491	22	20	38	101	GEM-5474	75	138
GEM-5492	25	25	45	116	GEM-5475	90	161
GEM-5493	28	25	45	116	GEM-5476	90	161

Unless otherwise specified END MILLS with RH helical flutes for RH Cutting and tools type "N" shall be supplied

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PARALLEL SHANK SLOT MILLING CUTTERS



(Specifications Confirm to IS 6352 - 1971 Dimensions in mm)

Cat No	Cutting Edge Dia.	Cutting Edge Length	Overall Length	Dia. of Shank
GMC-5530	3	6	40	6
GMC-5531	4	6	40	6
GMC-5532	5	8	45	8
GMC-5533	6	8	45	8
GMC-5534	7	10	50	10
GMC-5535	8	10	50	10
GMC-5536	9	10	50	10
GMC-5537	10	12	56	12
GMC-5538	11	12	56	12
GMC-5539	12	16	63	16
GMC-5540	14	16	63	16
GMC-5541	15	16	63	16
GMC-5542	16	18	70	18
GMC-5543	18	18	70	18
GMC-5544	20	20	80	20
GMC-5545	21	20	80	20
GMC-5546	22	22	90	22
GMC-5547	23	22	90	22
GMC-5548	24	25	100	25
GMC-5549	25	25	100	25
GMC-5550	26	25	100	25
GMC-5551	28	25	100	25

Slot Milling Cutters for Right hand cutting with Right hand Helical Flutes and Flat Face (Type A) and Tool Type "N" shall be supplied unless other wise specified.

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HSS PARALLEL SHANK END MILLS



(Specifications Confirm to BS 122 / Part1 - 1953 Dimensions in Inches)

Cat No	Cutting Edge Dia.	Cutting Edge Length	Overall Length	Die of Shank
GEM-5494	1/8	3/8	1.7/8	1/4
GEM-5495	5/32	3/8	1.7/8	1/4
GEM-5496	3/16	1/2	2	1/4
GEM-5497	7/32	1/2	2	1/4
GEM-5498	1/4	5/8	2.1/8	1/4
GEM-5499	5/16	3/4	2.1/2	3/8
GEM-5500	3/8	7/8	2.5/8	3/8
GEM-5501	7/16	7/8	2.5/8	1/2
GEM-5502	1/2	1	2.3/4	1/2
GEM-5503	9/16	1.1/8	2.7/8	1/2
GEM-5504	5/8	1.1/4	3.1/4	5/8
GEM-5505	11/16	1.3/8	3.3/8	5/8
GEM-5506	3/4	1.1/2	3.1/2	5/8
GEM-5507	13/16	1.5/8	3.5/8	3/4
GEM-5508	7/8	1.5/8	3.5/8	3/4
GEM-5509	1	1.3/4	3.3/4	3/4
GEM-5510	1.1/8	1.7/8	4.1/8	1
GEM-5511	1.1/4	2	4.1/4	1
GEM-5512	1.3/8	2.1/8	4.5/8	1
GEM-5513	1.1/2	2.1/4	4.3/4	1
GEM-5514	1.5/8	2.3/8	4.7/8	1.1/4
GEM-5515	1.3/4	2.1/2	5.1/8	1.1/4
GEM-5516	1.7/8	2.5/8	5.1/4	1.1/4
GEM-5517	2	3	5.1/2	1.1/2
GEM-5518	2.1/8	3	5.1/2	1.1/2
GEM-5519	2.1/4	3	5.5/8	1.1/2
GEM-5520	2.3/8	3.1/4	5.7/8	1.1/2
GEM-5521	2.1/2	3.1/2	6.1/8	1.1/2
GEM-5522	2.3/4	3.1/2	6.1/2	1.1/2
GEM-5523	3	3.1/2	6.1/2	2

Parallel Shank END MILLS with Right Hand Cutting with Right Hand Helical Flutes shall be supplied unless otherwise specified.

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PARALLEL SHANK SLOT MILLING CUTTERS



(Specifications Confirm to BS 122/PART 1 - 1953 Dimensions in Inches)

Cat No	Cutting Edge Dia.	Cutting Edge Length	Overall Length	Dia. of Shank
GMC-5552	1/8	3/8	1.7/8	1/4
GMC-5553	5/32	3/8	1.7/8	1/4
GMC-5554	3/16	1/2	2	1/4
GMC-5555	7/32	1/2	2	1/4
GMC-5556	1/4	5/8	2.1/8	1/4
GMC-5557	5/16	3/4	2.1/2	3/8
GMC-5558	3/8	7/8	2.5/8	3/8
GMC-5559	7/16	7/8	2.5/8	1/2
GMC-5560	1/2	1	2.3/4	1/2
GMC-5561	9/16	1.1/8	2.7/8	1/2
GMC-5562	5/8	1.1/4	3.1/4	5/8
GMC-5563	11/16	1.3/8	3.3/8	5/8
GMC-5564	3/4	1.1/2	3.1/2	5/8
GMC-5565	7/8	1.5/8	3.5/8	3/4
GMC-5566	1	1.3/4	3.3/4	3/4

Slots Drills for Right hand cutting with Right hand Helical Flutes shall be supplied unless other wise specified.

57

WOODRUFF CUTTER


DIN 850

Cat No	Diameter	Width	Dia. of Shank	Overall Length	Woodruff Keys to IS 2294
GWK-5570	10.5	2	6.0	50	2 x 3.7
GWK-5571	10.5	2.5	6.0	50	2.5 x 3.7
GWK-5572	10.5	3	6.0	50	3 x 3.7
GWK-5573	13.5	3	10	56	3 x 5
GWK-5574	13.5	4	10	56	4 x 5
GWK-5575	16.5	3	10	56	3 x 6.5
GWK-5576	16.5	4	10	56	4 x 6.5
GWK-5577	16.5	5	10	56	5 x 6.5
GWK-5578	19.5	4	10	56	4 x 7.5
GWK-5579	19.5	5	10	56	5 x 7.5
GWK-5580	19.5	6	10	63	6 x 7.5
GWK-5581	22.5	5	10	63	5 x 9
GWK-5582	22.5	6	10	63	6 x 9
GWK-5583	22.5	8	10	63	8 x 9
GWK-5584	25.5	6	10	63	6 x 10
GWK-5585	28.5	6	10	63	6 x 11
GWK-5586	28.5	8	10	63	8 x 11
GWK-5587	28.5	10	12	71	10 x 11
GWK-5588	32.5	8	10	63	8 x 13
GWK-5589	32.5	10	12	71	10 x 13
GWK-5590	45.5	10	12	71	10 x 16

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WOODRUFF CUTTER


BS 122

Cat No	BS Cutter and Key No.	Dia. of Cutter	Width of Cutter	Overall Length	Dia. of Shank
GWK-5591	204	0.505	0.061	2	1/2
GWK-5592	304	0.505	0.093	2	1/2
GWK-5593	404	0.505	0.124	2	1/2
GWK-5594	305	0.630	0.093	2	1/2
GWK-5595	405	0.630	0.124	2	1/2
GWK-5596	505	0.630	0.155	2	1/2
GWK-5597	406	0.755	0.124	2.1/4	1/2
GWK-5598	506	0.755	0.155	2.1/4	1/2
GWK-5599	606	0.755	0.187	2.1/4	1/2
GWK-5600	507	0.880	0.155	2.1/2	1/2
GWK-5601	607	0.880	0.187	2.1/2	1/2
GWK-5602	807	0.880	0.249	2.1/2	1/2
GWK-5603	608	1.005	0.187	2.3/4	1/2
GWK-5604	808	1.005	0.249	2.3/4	1/2
GWK-5605	1008	1.005	0.311	2.3/4	1/2
GWK-5606	609	1.130	0.187	2.3/4	1/2
GWK-5607	809	1.130	0.249	2.3/4	1/2
GWK-5608	1009	1.130	0.311	2.3/4	1/2
GWK-5609	810	1.255	0.249	2.3/4	1/2
GWK-5610	1010	1.255	0.311	2.3/4	1/2
GWK-5611	1210	1.255	0.374	2.3/4	1/2
GWK-5612	1011	1.380	0.311	3	1/2
GWK-5613	1211	1.380	0.374	3	1/2
GWK-5614	812	1.505	0.249	3	1/2
GWK-5615	1012	1.505	0.311	3	1/2
GWK-5616	1212	1.505	0.374	3	1/2

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WOODRUFF CUTTER

10 Pc Set - HSS
(Straight Teeth)

Set Includes The Following 1 each

- American Std. 403 - Size: 3/8" x 1/8"
- American Std. 204 - Size: 1/2" x 1/16"
- American Std. 404 - Size: 1/2" x 1/8"
- American Std. 305 - Size: 5/8" x 3/32"
- American Std. 505 - Size: 5/8" x 5/32"
- American Std. 406 - Size: 3/4" x 1/8"
- American Std. 606 - Size: 3/4" x 3/16"
- American Std. 806 - Size: 3/4" x 1/4"
- American Std. 608 - Size: 1" x 3/16"
- American Std. 808 - Size: 1" x 1/4"



Cat No	Shank Size
GWC-5480	1/2"

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WOODRUFF CUTTER

10 Pc Set - HSS (Straight Teeth)

Cat No	Sizes (mm)
GWC-5479	10.5x2.5, 13.5x2.5, 13.5x3, 16.5x2.5, 16.5x4, 19.5x3, 19.5x5, 22.5x5, 22.5x6 & 25.5x6


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HSS PARALLEL HAND REAMERS

BS 328


(Specifications Confirm to BS 122/PART 2 - 1964 Dimensions in Inches)

Cat No	Nominal Diameter	Cutting Edge	Overall Length
GHR-5671	1/8	1.5/16	2.5/8
GHR-5672	5/32	1.1/2	3
GHR-5673	3/16	1.3/4	3.7/16
GHR-5674	7/32	1.7/8	3.11/16
GHR-5675	1/4	2	3.15/16
GHR-5676	9/32	2.1/8	4.3/16
GHR-5677	5/16	2.1/4	4.1/2
GHR-5678	11/32	2.7/16	4.7/8
GHR-5679	3/8	2.5/8	5.1/4
GHR-5680	13/32	2.5/8	5.1/4
GHR-5681	7/16	2.13/16	5.5/8
GHR-5682	15/32	3	6
GHR-5683	1/2	3	6
GHR-5684	9/16	3.3/16	6.7/16
GHR-5685	5/8	3.7/16	6.7/8
GHR-5686	11/16	3.11/16	7.7/16
GHR-5687	3/4	3.15/16	7.15/16
GHR-5688	13/16	3.15/16	7.15/16
GHR-5689	7/8	4.3/16	8.1/2
GHR-5690	15/16	4.1/2	9.1/16
GHR-5691	1	4.1/2	9.1/16
GHR-5692	1.1/16	4.7/8	9.3/4
GHR-5693	1.1/8	4.7/8	9.3/4
GHR-5694	1.3/16	5.1/4	10.7/16
GHR-5695	1.1/4	5.1/4	10.7/16
GHR-5696	1.5/16	5.1/4	10.7/16
GHR-5697	1.3/8	5.5/8	11.3/16
GHR-5698	1.7/16	5.5/8	11.3/16
GHR-5699	1.1/2	6	12
GHR-5700	1.5/8	6	12
GHR-5701	1.3/4	6.7/16	12.13/16
GHR-5702	1.7/8	6.7/8	13.11/16
GHR-5703	2	6.7/8	13.11/16
GHR-5704	2.1/16	6.7/8	13.11/16
GHR-5705	2.1/8	7.1/4	14.7/16
GHR-5706	2.3/16	7.1/4	14.7/16
GHR-5707	2.1/4	7.1/4	14.7/16
GHR-5708	2.5/16	7.1/4	14.7/16
GHR-5709	2.3/8	7.5/8	15.1/4
GHR-5710	2.7/16	7.5/8	15.1/4
GHR-5711	2.1/2	7.5/8	15.1/4

LH Helical Flutes for RH Cutting shall be supplied unless otherwise specified.

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HSS PARALLEL HAND REAMERS



DIN 206

(Specifications Confirm to IS 5445 -1978 Dimensions in mm)

Cat No	Diameter	Cutting Edge Length	Overall Length
GHR-5620	3.0	31	62
GHR-5621	3.5	35	71
GHR-5622	4.0	38	76
GHR-5623	4.5	41	81
GHR-5624	5.0	44	87
GHR-5625	5.5	47	93
GHR-5626	6.0	47	93
GHR-5627	7.0	54	107
GHR-5628	8.0	58	115
GHR-5629	9.0	62	124
GHR-5630	10.0	66	133
GHR-5631	11.0	71	142
GHR-5632	12.0	76	152
GHR-5633	13.0	76	152
GHR-5634	14.0	81	163
GHR-5635	15.0	81	163
GHR-5636	16.0	87	175
GHR-5637	17.0	87	175
GHR-5638	18.0	93	188
GHR-5639	19.0	93	188
GHR-5640	20.0	100	201
GHR-5641	21.0	100	201
GHR-5642	22.0	107	215
GHR-5643	23.0	107	215
GHR-5644	24.0	115	231
GHR-5645	25.0	115	231
GHR-5646	26.0	115	231
GHR-5647	27.0	124	247
GHR-5648	28.0	124	247
GHR-5649	30.0	124	247
GHR-5650	32.0	133	265
GHR-5651	34.0	142	284
GHR-5652	35.0	142	284
GHR-5653	36.0	142	284
GHR-5654	38.0	152	305
GHR-5655	40.0	152	305
GHR-5656	42.0	152	305
GHR-5657	44.0	163	326
GHR-5658	45.0	163	326
GHR-5659	46.0	163	326
GHR-5660	48.0	174	347
GHR-5661	50.0	174	347
GHR-5662	52.0	174	347
GHR-5663	55.0	184	367
GHR-5664	56.0	184	367
GHR-5665	58.0	184	367
GHR-5666	60.0	184	367
GHR-5667	62.0	194	387
GHR-5668	63.0	194	387
GHR-5669	67.0	194	387
GHR-5670	71.0	203	406

Slot Milling Cutters for Right hand cutting with Right hand Helical Flutes and Flat Face (Type A) and Tool Type "N" shall be supplied unless other wise specified.

63

LONG FLUTED MACHINE REAMERS



(Specifications Confirm to IS 5445 - 1978 Dimensions in mm)

Cat No	Diameter	Cutting Edge Length	Overall Length	Morse Taper No.
GMR-5715	3.0	31	111	1
GMR-5716	4.0	38	118	1
GMR-5717	5.0	44	124	1
GMR-5718	6.0	47	127	1
GMR-5719	7.0	54	134	1
GMR-5720	8.0	58	138	1
GMR-5721	9.0	62	142	1
GMR-5722	10.0	66	146	1
GMR-5723	11.0	71	151	1
GMR-5724	12.0	76	156	1
GMR-5725	13.0	76	156	1
GMR-5726	14.0	81	161	1
GMR-5727	15.0	81	181	2
GMR-5728	16.0	87	187	2
GMR-5729	17.0	87	187	2
GMR-5730	18.0	93	193	2
GMR-5731	19.0	93	193	2
GMR-5732	20.0	100	200	2
GMR-5733	21.0	100	200	2
GMR-5734	22.0	107	207	2
GMR-5735	23.0	107	207	2
GMR-5736	24.0	115	242	3
GMR-5737	25.0	115	242	3
GMR-5738	26.0	115	242	3
GMR-5739	27.0	124	251	3
GMR-5740	28.0	124	251	3
GMR-5741	30.0	124	251	3
GMR-5742	32.0	133	293	4
GMR-5743	34.0	142	302	4
GMR-5744	35.0	142	302	4
GMR-5745	36.0	142	302	4
GMR-5746	38.0	152	312	4
GMR-5747	40.0	152	312	4
GMR-5748	42.0	152	312	4
GMR-5749	44.0	163	323	4
GMR-5750	45.0	163	323	4
GMR-5751	46.0	163	323	4
GMR-5752	48.0	174	334	4
GMR-5753	50.0	174	334	4
GMR-5754	52.0	174	371	5
GMR-5755	55.0	184	381	5
GMR-5756	56.0	184	381	5
GMR-5757	58.0	184	381	5
GMR-5758	60.0	184	381	5
GMR-5759	62.0	194	391	5
GMR-5760	63.0	194	391	5
GMR-5761	67.0	194	391	5
GMR-5762	71.0	203	400	5

LH Helical Flutes for RH Cutting shall be supplied unless otherwise specified.

64

HSS PARALLEL MACHINE REAMER



DIN 9

(Specifications Confirm to BS 122/PART 2 - 1964 Dimensions in Inches)

Cat No	Nominal Diameter	Cutting Edge Length	Overall Length	Morse Taper No.
GMR-5765	1/8	1.5/16	4.7/16	1
GMR-5766	5/32	1.1/2	4.5/8	1
GMR-5767	3/16	1.3/4	4.7/8	1
GMR-5768	1/4	2	5.1/8	1
GMR-5769	9/32	2.1/8	5.1/4	1
GMR-5770	5/16	2.1/4	5.3/8	1
GMR-5771	11/32	2.7/16	5.9/16	1
GMR-5772	3/8	2.5/8	5.3/4	1
GMR-5773	13/32	2.5/8	5.3/4	1
GMR-5774	7/16	2.13/16	5.15/16	1
GMR-5775	15/32	3	6.1/8	1
GMR-5776	1/2	3	6.1/8	1
GMR-5777	9/16	3.3/16	7.1/8	2
GMR-5778	5/8	3.7/16	7.3/8	2
GMR-5779	11/16	3.11/16	7.5/8	2
GMR-5780	3/4	3.15/16	7.7/8	2
GMR-5781	13/16	3.15/16	7.7/8	2
GMR-5782	7/8	4.3/16	8.1/8	2
GMR-5783	15/16	4.1/2	9.1/2	3
GMR-5784	1	4.1/2	9.1/2	3
GMR-5785	1.1/16	4.7/8	9.7/8	3
GMR-5786	1.1/8	4.7/8	9.7/8	3
GMR-5787	1.3/16	5.1/4	10.1/4	3
GMR-5788	1.1/4	5.1/4	10.1/4	3
GMR-5789	1.5/16	5.1/4	11.9/16	4
GMR-5790	1.3/8	5.5/8	11.15/16	4
GMR-5791	1.7/16	5.5/8	11.15/16	4
GMR-5792	1.1/2	6	12.5/16	4
GMR-5793	1.5/8	6	12.5/16	4
GMR-5794	1.3/4	6.7/16	12.3/4	4
GMR-5795	1.7/8	6.7/8	13.3/16	4
GMR-5796	2	6.7/8	13.3/16	4
GMR-5797	2.1/4	7.1/4	15	5
GMR-5798	2.1/2	7.5/8	15.3/8	5
GMR-5799	3	8.3/8	16.1/8	5

LH Helical Flutes for RH Cutting shall be supplied unless otherwise specified.

67

HSS HAND TAPER PIN REAMERS

(Specifications Confirm to IS 5881 - 1984 taper 1 in 50 Dimensions in mm)

Cat No	Nominal Diameter of Reamer	Cutting Edge Length	Overall Length
GPR-5800	3	58	80
GPR-5801	4	68	93
GPR-5802	5	73	100
GPR-5803	6	105	135
GPR-5804	8	145	180
GPR-5805	10	175	215
GPR-5806	12	210	255
GPR-5807	16	230	280
GPR-5808	20	250	310
GPR-5809	25	300	370
GPR-5810	30	320	400
GPR-5811	40	340	430
GPR-5812	50	360	460

Straight Flutes for RH Cutting shall be supplied unless otherwise specified.

65

HSS HAND TAPER PIN REAMERS

(Specifications Confirm to BS 1221/PART 2 - 1964 Taper 1 in 48 Dimensions in Inches)

Cat No	Nominal Diameter of Reamer	Cutting Edge Length	Overall Length
GPR-5813	1/8	1.3/4	2.3/4
GPR-5814	5/32	2	3
GPR-5815	3/16	2.3/4	4
GPR-5816	7/32	2.3/4	4
GPR-5817	1/4	3.3/8	4.5/8
GPR-5818	9/32	4.1/8	5.5/8
GPR-5819	5/16	4.1/8	5.5/8
GPR-5820	11/32	4.1/2	6
GPR-5821	3/8	5	6.1/2
GPR-5822	13/32	5.3/4	7.1/2
GPR-5823	7/16	5.3/4	7.1/2
GPR-5824	1/2	6.1/2	8.1/4
GPR-5825	9/16	6.3/4	8.1/2
GPR-5826	5/8	7.1/2	9.1/4
GPR-5827	3/4	8.3/4	10.3/4
GPR-5828	7/8	9.1/2	12

Straight Flutes for RH Cutting shall be supplied unless otherwise specified.

66

MACHINE TAPER PIN REAMERS

(Specifications Confirm to IS 5918 - 1984 Taper 1 in 50 Dimensions in mm)

Cat No	Nominal Diameter	Cutting Edge Length	Overall Length	Morse Taper No.
GPR-5830	3	58	140	1
GPR-5831	4	68	150	1
GPR-5832	5	73	155	1
GPR-5833	6	105	187	1
GPR-5834	8	145	227	1
GPR-5835	10	175	257	1
GPR-5836	12	210	315	2
GPR-5837	16	230	335	2
GPR-5838	20	250	377	3
GPR-5839	25	300	427	3
GPR-5840	30	320	475	4
GPR-5841	40	340	495	4
GPR-5842	50	360	550	5

LH Helical Flutes for RH Cutting shall be supplied unless otherwise specified.

68

MACHINE TAPER PIN REAMERS

(Specifications Confirm to BS 122 / PART 2 1964 Taper 1 in 48 Dimensions in Inches)

Cat No	Nominal Diameter	Cutting Edge Length	Overall Length	Morse Taper No.
GPR-5843	3/16	2.3/4	5.3/4	1
GPR-5844	7/32	2.3/4	5.3/4	1
GPR-5845	1/4	3.3/8	6.3/8	1
GPR-5846	9/32	4.1/8	7.1/4	1
GPR-5847	5/16	4.1/8	7.1/4	1
GPR-5848	11/32	4.1/2	7.5/8	1
GPR-5849	3/8	5	8.1/8	1
GPR-5850	13/32	5.3/4	8.7/8	1
GPR-5851	7/16	5.3/4	8.7/8	1
GPR-5852	1/2	6.1/2	9.5/8	1
GPR-5853	9/16	6.3/4	10.7/16	2
GPR-5854	5/8	7.1/2	11.3/16	2
GPR-5855	3/4	8.3/4	12.5/8	2
GPR-5856	7/8	9.1/2	13.3/8	2

LH Helical Flutes for RH Cutting shall be supplied unless otherwise specified.



MAGNETIC & DRESSING TOOLS





01

MINI MAGNETIC STAND



- Simple and inexpensive way of holding dial indicators on any flat ferrous surface.
- Supplied along with the disc on bottom to neutralize the magnet when not in use.
- High Magnetic Power affords maximum rigidity.

Cat No	Description	Base Dia.		Total Height	
		Inch	mm	Inch	mm
GMS-5900	Without fine Adjustment	1-1/8	28	5	125
GMS-5901	With Fine Adjustment	1-1/8	28	5-3/8	135

02

MINI MAGNETIC BASE

- Compact and small universal permanent magnetic stand.
- Clamps indicator with stem as well as dovetail.

Cat No	Description	Base Dia.		Total Height	
		Inch	mm	Inch	mm
GMS-5900	Without fine Adjustment	1-1/8	28	3-1/8	80
GMS-5901	With Fine Adjustment	1-1/8	28	5-3/8	135



03

MAGNETIC BASE HOLDER

DISCONTINUED

- Magnet is molded in plastic case.
- Heavy-duty magnetic base.
- Grips curved & flat metal surfaces.

Cat No	Description	SIZE OF BASE	
		Inch	mm
GBM-5905	Magnetic Base complete with Assembly	2 x 1-1/2 x 1-1/4	50 x 38 x 32
GBM-5906	Magnetic Base Holder only	2 x 1-1/2 x 1-1/4	50 x 38 x 32



04

MAGNETIC BASE HIGH POWER

- Manufactured from good quality magnet.
- ON/OFF Switch for easy operations.
- Vee groove in the base allows the base to be used conveniently on curved or
- Cylindrical surfaces.
- Easily accepts all types of dial gauges.
- Maximum Pull 50 60 Kgs. (110-130 Lbs)
- Supplied without dial.

Cat No	Description	Overall Height		Base Dimension LXWXH	
		Inch	mm	Inch	mm
GBM-7010	Without fine Adjustment	9-1/2	240	2-1/2 x 1-7/8 x 2-1/8	63 x 48 x 55
GBM-7010 (A)	With fine Adjustment	9-1/2	240	2-1/2 x 1-7/8 x 2-1/8	63 x 48 x 55



05

MAGNETIC BASE PUSH BUTTON

- Designed to use with dial indicators to work on surface plates and machine tables.
- ON/OFF Button for easy operations.
- Maximum Pull 25kgs (55 Lbs) Approximately.
- Supplied without dial.



Cat No	Description	Overall Height		Base Dimension LxWxH	
		Inch	mm	Inch	mm
GBM-900	Without Fine Adjustment	9-1/4	235	1-7/8 x 1-3/4 x 2	48 x 45 x 50
GBM-900A	With Fine Adjustment	9-1/4	235	1-7/8 x 1-3/4 x 2	48 x 45 x 50

06

MAGNETIC WELDERS CLAMPS



Cat No	SIZE OF BASE		Angles
	Inch	mm	
GWC-6039	4.5/8 x 3-3/4	120 x 95	30°, 90° and 135°
GWC-6040	4 x 2-5/8	100 x 65	30°, 45°, 60°, 75° and 90°

- Useful for welder's purpose.
- Body hole enables it to be built into jigs or can be hung when not in use.
- Compact design enables fast & accurate holding of metals for welding & assembling purpose.

07

POT MAGNETS



- Has tapped hole 1/4" - 20.
- Supplied with one Keeper.
- Can be widely used for holding maps etc:

Cat No	Model #	Diameter		Height		Minimum Pull	
		Inch	mm	Inch	mm	Lbs	Kgs
GPM-5908	841	11/16	17.5	5/8	15.8	6	2.7
GPM-5909	842	13/16	20.5	3/4	19.0	10	4.5
GPM-5910	843	1-1/16	27.0	1	25.4	14	6.0
GPM-5911	844	1-3/8	35.0	1-3/16	30.0	30	13.5

08

MAGNETIC HOLDFASTS EXTRA POWER



- Mainly used where maximum grip is required but not attraction from a distance.
- Can also supplied with keepers.
- Because of their intense grip each piece has a jack-off screw.

Cat No	Diameter		Minimum Pull	
	Inch	mm	Lbs	Kgs
GHF-5920	1-3/4	44	45	20
GHF-5921	2-1/8	54	70	30
GHF-5922	2-3/4	70	110	50

09

SHALLOW POT CERAMIC MAGNETS

- Shallow depth allows use in confined spaces.
- Permanent, powerful magnets to hold, lift and attract metal parts.
- Larger sizes have 3/8" clearance holes for fastening with rods or bolts.



Cat No	Diameter		Height		Minimum Pull	
	Inch	mm	Inch	mm	Lbs	Kgs
GPM-5912	1-3/4	44.4	1/4	6.35	10	4.5
GPM-5913	2	50.8	3/8	9.50	20	9.0
GPM-5914	2-3/4	69.8	7/16	11.10	35	15.5
GPM-5915	3-1/8	79.3	1/2	12.70	50	22.0

10

BUTTON MAGNETS

- Have both the poles at each end of the cylinder and are separated by a groove in the center.
- These magnets also have a plain fixing hole.
- Mainly used for gripping applications.
- Supplied with keeper.



Cat No	Diameter (MM)	Height (MM)	Magnetic Pull (Kgs)
GBM-5927	12.5	9.5	0.6
GBM-5928	19	12.5	1.5
GBM-5926	25	16	3.0
GBM-5929	32	25	4.5

11

POWER MAGNETS T HANDLE

Cat No	Diameter x Thickness	
	Inch	mm
GPM-5916	2 1/2 x 3/4"	65 x 20
GPM-5917	3 x 3/4"	75 x 20
GPM-5918	4 x 3/4"	100 x 20
GPM-5919	5 x 3/4"	125 x 20

- Mainly Used For Lifting, Handling & Sorting Small Ferrous Parts.
- High Power T-Handle Permanent Magnets.



12

MAGNETIC LINKS ADJUSTABLE



Cat No	Overall Length		SIZE OF BASE	
	Inch	mm	Inch	mm
GAL-5927	4-5/8	115	2	50

- Made of two rectangular blocks consisting of two magnets in each block.
- The wing nut are fitted for easy angular adjustments.
- Used for welding and holding steel parts in confined areas.

13

MAGNETIC VEE-BLOCK

- Supplied in matched pairs in fine finished wooden box.
- Surface is precision ground.
- The strong magnet is controlled by on / off switch.

Cat No Single	Cat No Pair	Length		Width		Height		Big V		Small V	
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
GMB-6590	GMB-6594	2-3/4	70	2-1/8	54	2-7/8	73	1-1/2	38	3/4	19
GMB-6591	GMB-6595	4	100	2-3/4	70	3-3/4	95	2	50	3/4	19
GMB-6593	GMB-6597	6	150	3	75	3-3/4	95	2-1/4	55	1	25



14

PERMANENT MAGNETIC CHUCK RECTANGULAR

- The top plate is designed from solid mild steel plate ensuring greater rigidity and extra thickness allows frequent regrinding.
- Handles are fitted on the front right of the chuck.
- Full loading power over entire plates.
- Has a positive hand release.



Cat No Standard Pole	Cat No Straight Pole	Size	
		Inch	mm
GPC-5940	GPC-5940	4 x 7	100 x 175
GPC-5941	GPC-5941	4 x 8	100 x 200
GPC-5942	GPC-5942	5 x 10	125 x 250
GPC-5943	GPC-5943	6 x 12	150 x 300
GPC-5944	GPC-5944	6 x 14	150 x 355
GPC-5945	GPC-5945	6 x 18	150 x 455
GPC-5946	GPC-5946	8 x 12	200 x 300
GPC-5947	GPC-5947	8 x 15	200 x 380
GPC-5948	GPC-5948	8 x 18	200 x 455
GPC-5949	GPC-5949	8 x 24	200 x 610
GPC-5950	GPC-5950	8 x 20	200 x 505
GPC-5951	GPC-5951	12 x 24	300 x 610

15

PERMANENT MAGNETIC CHUCK CIRCULAR

- The top plate is designed from solid mild steel plate ensuring greater rigidity and extra thickness allows frequent regrinding.
- Full loading power over entire plates.



Cat No Standard Poles	Cat No Straight Poles	Size	
		Inch	mm
GPC-5952	GPC-5964	3	75
GPC-5953	GPC-5964A	4	100
GPC-5954	GPC-5965	5	125
GPC-5955	GPC-5966	6	150
GPC-5956	GPC-5967	8	200
GPC-5957	GPC-5968	9	225
GPC-5958	GPC-5969	10	250
GPC-5959	GPC-5970	12	300
GPC-5960	GPC-5971	15	380
GPC-5961	GPC-5972	16	405
GPC-5962	GPC-5973	18	455
GPC-5963	GPC-5974	20	505

16

DIAMOND DRESSER - ST. SHANK

- Useful tool for dressing wheels for surface grinders, universal grinders etc.
- Shanks are properly chrome plated.
- Available in different shank sizes.
- High quality diamonds are used to give proper dressing to the wheels.

Cat No	Size of Shank		Diamond Size
	Inch	mm	
GSD-5979	1/4 x 1-1/2	6.35 x 38	1/4 Carat
GSD-5980	3/8 x 2	9.50 x 50	1/4 Carat
GSD-5981	3/8 x 3	9.50 x 76	1/4 Carat
GSD-5982	3/8 x 3	9.50 x 76	1/3 Carat
GSD-5983	3/8 x 3	9.50 x 76	1/2 Carat
GSD-5984	3/8 x 3	9.50 x 76	3/4 Carat
GSD-5985	3/8 x 3	9.50 x 76	1 Carat
GSD-5986	3/8 x 3	9.50 x 76	1-1/2 Carat
GSD-5987	3/8 x 3	9.50 x 76	2 Carat
GSD-5988	3/8 x 3	9.50 x 76	3 Carat
GSD-5989	7/16 x 2	11.1 x 50	1/4 Carat
GSD-5990	7/16 x 3	11.1 x 76	1/4 Carat
GSD-5991	7/16 x 3	11.1 x 76	1/3 Carat
GSD-5992	7/16 x 3	11.1 x 76	1/2 Carat
GSD-5993	7/16 x 3	11.1 x 76	3/4 Carat
GSD-5994	7/16 x 3	11.1 x 76	1 Carat
GSD-5995	7/16 x 3	11.1 x 76	1-1/2 Carat
GSD-5996	7/16 x 3	11.1 x 76	2 Carat
GSD-5997	7/16 x 3	11.1 x 76	3 Carat
GSD-5998	1/2 x 3	12.7 x 76	1/4 Carat
GSD-5999	1/2 x 3	12.7 x 76	1/3 Carat
GSD-6000	1/2 x 3	12.7 x 76	1/2 Carat
GSD-6001	1/2 x 3	12.7 x 76	3/4 Carat
GSD-6002	1/2 x 3	12.7 x 76	1 Carat
GSD-6003	1/2 x 3	12.7 x 76	1-1/2 Carat
GSD-6004	1/2 x 3	12.7 x 76	2 Carat
GSD-6005	1/2 x 3	12.7 x 76	3 Carat
GSD-6006	3/8 x 6	9.50 x 152	1/4 Carat
GSD-6007	3/8 x 6	9.50 x 152	1/3 Carat
GSD-6008	3/8 x 6	9.50 x 152	1/2 Carat
GSD-6009	3/8 x 6	9.50 x 152	3/4 Carat
GSD-6010	3/8 x 6	9.50 x 152	1 Carat
GSD-6011	3/8 x 6	9.50 x 152	1-1/2 Carat
GSD-6012	3/8 x 6	9.50 x 152	2 Carat
GSD-6013	3/8 x 6	9.50 x 152	2-1/2 Carat
GSD-6014	3/8 x 6	9.50 x 152	3 Carat
GSD-6015	3/8 x 6	9.50 x 152	4 Carat
GSD-6016	3/8 x 6	9.50 x 152	5 Carat
GSD-6017	7/16 x 6	11.1 x 152	1/4 Carat
GSD-6018	7/16 x 6	11.1 x 152	1/3 Carat
GSD-6019	7/16 x 6	11.1 x 152	1/2 Carat
GSD-6020	7/16 x 6	11.1 x 152	3/4 Carat
GSD-6021	7/16 x 6	11.1 x 152	1 Carat
GSD-6022	7/16 x 6	11.1 x 152	1-1/4 Carat
GSD-6023	7/16 x 6	11.1 x 152	1-1/2 Carat
GSD-6024	7/16 x 6	11.1 x 152	1-3/4 Carat
GSD-6025	7/16 x 6	11.1 x 152	2 Carat
GSD-6026	7/16 x 6	11.1 x 152	2-1/2 Carat
GSD-6027	7/16 x 6	11.1 x 152	3 Carat
GSD-6028	7/16 x 6	11.1 x 152	4 Carat
GSD-6029	7/16 x 6	11.1 x 152	5 Carat
GSD-6030	1/2 x 6	12.7 x 152	1/4 Carat
GSD-6031	1/2 x 6	12.7 x 152	1/3 Carat
GSD-6032	1/2 x 6	12.7 x 152	1/2 Carat
GSD-6033	1/2 x 6	12.7 x 152	3/4 Carat
GSD-6034	1/2 x 6	12.7 x 152	1 Carat
GSD-6035	1/2 x 6	12.7 x 152	1-1/2 Carat
GSD-6036	1/2 x 6	12.7 x 152	2 Carat
GSD-6037	1/2 x 6	12.7 x 152	2-1/2 Carat
GSD-6038	1/2 x 6	12.7 x 152	3 Carat
GSD-6039	1/2 x 6	12.7 x 152	4 Carat
GSD-6040	1/2 x 6	12.7 x 152	5 Carat



17

DIAMOND DRESSER HAND STYLE



- Useful tool for dressing wheels for surface grinders, universal grinders etc. -
- Shanks are properly chrome plated.
- These dressers are fitted with plastic handle to give firm position to the fist.
- High quality diamonds are used to give proper dressing to the wheels.

Cat No	Diamond size	Shank Diameter		Overall Length	
		Inch	mm	Inch	mm
GHD-6043	1/4 Carat	7/16	11	8	200
GHD-6044	1/3 Carat	7/16	11	8	200
GHD-6045	1/2 Carat	7/16	11	8	200
GHD-6046	3/4 Carat	7/16	11	8	200
GHD-6047	1 Carat	7/16	11	8	200
GHD-6048	1-1/2 Carat	7/16	11	8	200
GHD-6049	2 Carat	7/16	11	8	200
GHD-6050	3 Carat	7/16	11	8	200
GHD-6051	4 Carat	7/16	11	8	200
GHD-6052	5 Carat	7/16	11	8	200

18

GRINDING WHEEL DRESSERS



- Indispensable for reconditioning the grinding wheels.
- Suitable for removing the particles of metal which clog the grinding wheels.
- Body is constructed from cast iron and painted.
- Spare cutters are manufactured from alloy steel, hardened & tempered and have polished finish.

Spare Cutter

Cat No	Handle Length mm	Description
GED-6062	250	No. 0 for wheels upto 10" (250mm) Dia. x 2" (50mm)
GED-6063	262	No.1 for wheels upto 15" (380mm) Dia. x 3" (75mm)
GED-6064	350	No. 2 for higher sizes wheels.
GSC-6065		Spare Cutter for No. 0 Dresser.
GSC-6066		Spare Cutter for No. 1 Dresser.
GSC-6067		Spare Cutter for No. 2 Dresser.

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GRINDING WHEEL DRESSER Insulated

- Insulated Handle for firm grip.
- Cutter Dia 32mm x 12mm.
- Indispensable for reconditioning the grinding wheels.
- Suitable for removing the particles of metal which clog the grinding wheels.
- Body is constructed from cast iron and painted.
- Spare cutters are manufactured from alloy steel, hardened & tempered and have polished finish.



Cat No	Handle Length (mm)	Description
GSC-6068	250	No. 0 for wheels upto 10" (250mm) Dia. x 2" (50mm)

20

MAGNETIC GROUND CLAMPS



Cat No	Description	Dia	Verticle Pull
GMC-5400	800AMP	3-7/16" 85mm	35Kgs 75lbs
GMC-5401	250AMP	3-7/16" 85mm	35Kgs 75lbs

22

MAGNETIC SWARF



Cat No	Description	Total Length
GSM-6600	Round	16" 400mm
GSM-6601	Round	1 Mtr. 1000mm

- Stainless Steel Tube With Powerful Magnet Inside.
- Used To Collect The Ferrous Swarf.
- Assembled With Plunger to push & pull out and release the Swarf.
- A Must to have in every garage & tool room.

24

POCKET MAGNETS



Cat No	Length	Height	Width	Width of Gap	Weight (Gm)	Max Pull (Kg)
GMC-5404	22.2mm	25.4mm	7.9mm	6.4mm	0.03	2.4
GMC-5405	27mm	35mm	15.9mm	7.9mm	0.09	4

21

MAGNETIC PICK-UP TOOL

Telescopic



Cat No	Size	Magnet Size
	Length - 24" (600mm)	
GMC-5402	After Telescopic Length - 40" (1000mm)	3-1/4" 81mm

- Magnet to Pickup Nails, Screws, and Metal Scraps.
- Comfortable Hand Grip on Handle.
- Strong Magnet For Picking Iron Pc from floor.

23

MAGNETIC SEPARATOR



Cat No	Size
GMC-5403	9-1/4 x 5-1/4 x 1" 235 x 135 x 25mm

- Use for cleaning machine beds etc.

25

MAGNETIC HOLDER

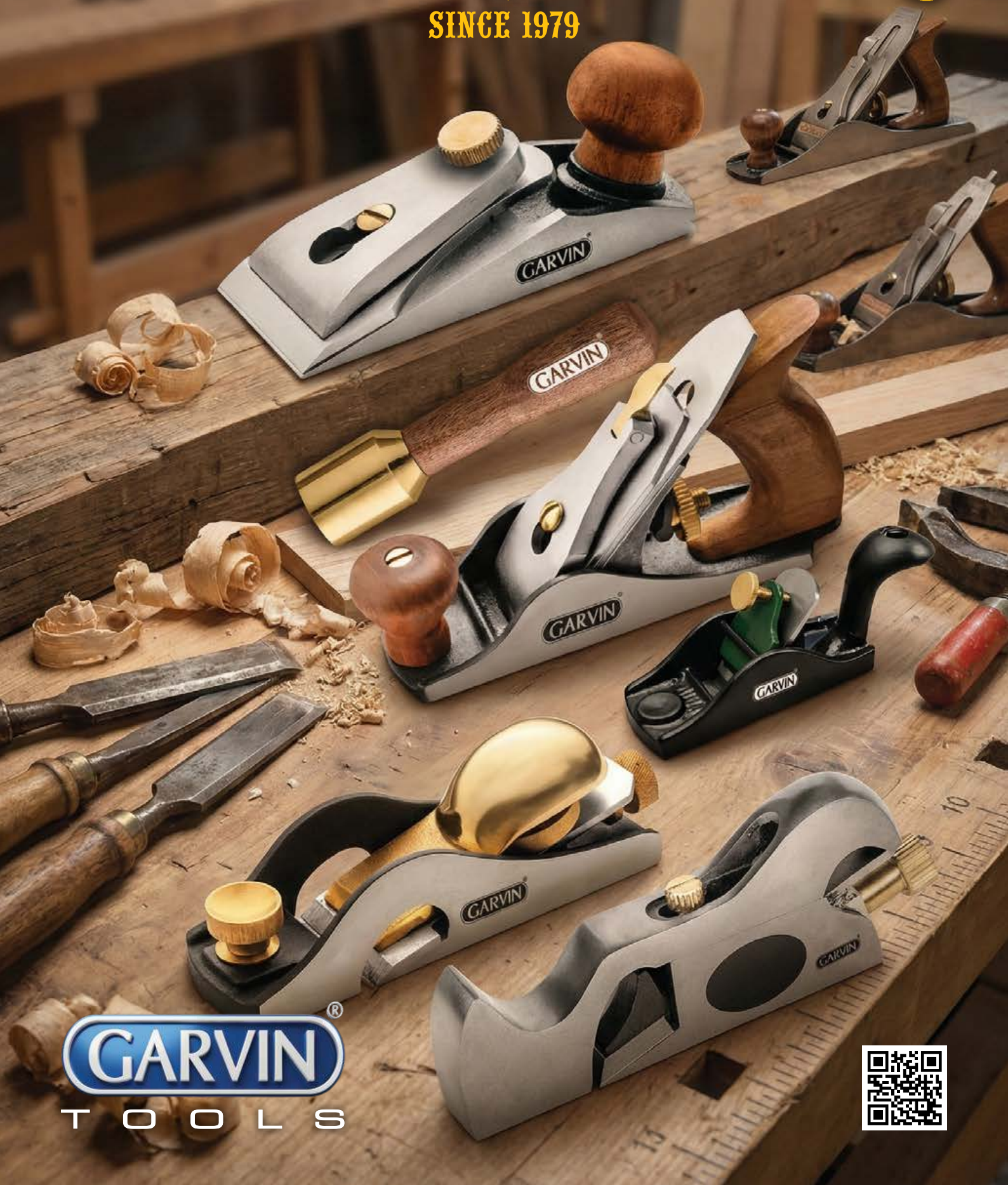


Cat No	Size
GMC-5406	2-1/4" 57mm

- With pocket clip.
- Used in Construction, D.I.Y., Hammers, Nails etc.
- Magnetic pull 5 Kgs/11 lbs.

WOOD WORKING TOOLS

SINCE 1979



GARVIN
TOOLS





COMPANY INTRODUCTION

Building relationship with our quality & Dedicated services is always on the top of our Company's Agenda and this has established ourselves as an leading manufacturers & Exporters of Industrial & Precision Tools since 1979.

Our Group of Engineers with decades of expertise in Tool Designing & Quality maintenance has led to a massive growth of our company around the Globe.

In Pursuit of '**Excellence & Perfection**' we give our tools high accuracy, economy & longer life by ensuring proper heat treatment and inspection with sophisticated instruments under the staff of dedicated & Experienced Engineers so as to ensure reliable performance under most demanding conditions. As a part of our constant endeavor to offer our customers enhanced services and better tool value, we keep ourselves updating with new developments and competitive prices with a strict policy of '**No Compromise In Quality.**'

Backed with valuable support & Belief of our worldwide long-term customers, we encouraged ourselves to diversify our product range to support our much valued customers for one stop shop for all tooling needs.

Our Deep Interest & love to take challenges to develop new tools exactly as per customers sample has built a firm confidence in our customers on us, as we are 100% successful in our development programme.

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Gajender Jain | Ramesh Jain

Vice Presidents

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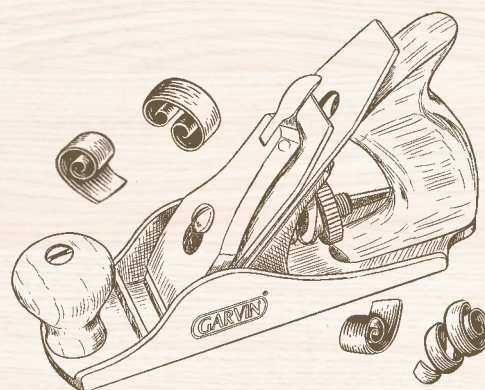
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3 PC KIT	14
4 PC KIT	14
5 PC KIT	14

SMOOTHING



Cat No	Model No.	Sole Length	Blade Width
GJP-1007	# 1	5.7/8" (145mm)	1.1/4" (32mm)
GJP-1009	# 3	9" (225mm)	1.3/4" (45mm)
GJP-1010	# 4	10" (250mm)	2" (50mm)
GJP-1011	# 5	14" (350mm)	2" (50mm)
GJP-6472	# 6	18" (450mm)	2.3/8" (60mm)
GJP-6473	# 7	22" (550mm)	2.3/8" (60mm)
GJP-1012	# 62	14" (350mm)	2" (50mm)

Replacement Blades	For Model No.
GSB-1007	# 1
GSB-1009	# 3
GSB-1010	# 4
GSB-1012	# 5
GSB-6472	# 6
GSB-6473	# 7
GSB-1062	# 62



- Solid brass adjusting knobs set the depth of the blade to provide fast cuts on many types of wood.
- Easy depth-of-cut adjustment and lateral EN42CR Hardened Blade adjustment.
- Heavy cast iron body for impact resistance and durability.
- Ergonomically designed rosewood knob and handle for comfort, control, and smooth operation.
- **Smoothing:** Used to smooth wood surfaces.
- **Sizing:** Used to size timber down to the correct size.
- **Edge jointing:** Used to correct wood edge joints.
- **Trimming:** Used to trim small pieces of wood.
- **Preparing boards:** Used to prepare wide boards for finishing.



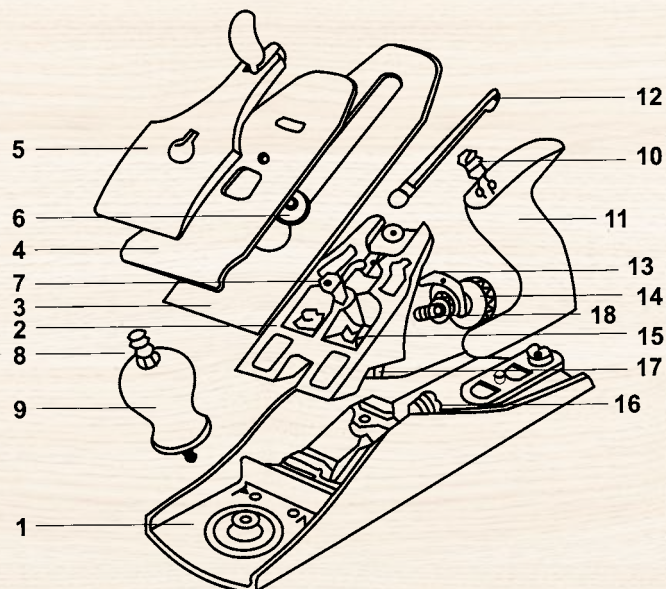
PLANES



Blade Thickness	Bed Angle	Blade Angle	Blade Bevel
2mm	45°	45°	35°
2mm	45°	45°	35°
2mm	46.5°	45°	35°
2mm	46.5°	45°	35°
2mm	46.5°	45°	35°
2mm	46.5°	46.5°	35°
4mm	12°	12°	35°

ANATOMIES OF SMOOTHING PLANES

1. Body
2. Frog
3. Cut Iron
4. Cap Iron
5. Lever Cap
6. Cap Iron Screw
7. Lever Cap Screw
8. Knob Nut and Screw
9. Knob
10. Handle Nut and Screw
11. Handle
12. Lateral Adjusting Lever
13. "Y" Adjusting Lever
14. Cut Iron Adjusting Nut
15. Frog Screws
16. Frog Adjusting Screw
17. Frog Clip & Screw
18. Adjusting Nut Screw



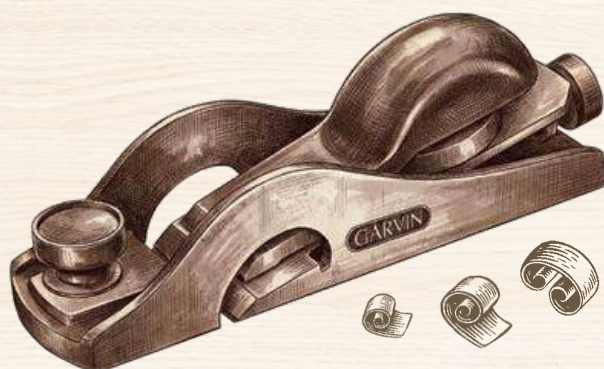


BLOCK



Cat No	Model No.	Sole Length	Blade Width
GBP-0193	# 102	140mm	35mm
GBP-0192	# 110	180mm	42mm
GBP-0196	# 507	160mm	42mm
GBP-0190	# 60.5	155mm	35mm
GBP-0191	# 9.5	155mm	42mm

Replacement Blades	For Model No.
GSB-0193	# 102
GSB-0192	# 110
GSB-0195	# 507
GSB-0190	# 60.5
GSB-0191	# 9.5



- Ideal for fine trimming, smoothing end grains, and other rough wood surfaces.
- The quick-release cam-lock facilitates effortless iron removal, streamlining your workflow.
- Impact resistance cast-iron base with precision-ground bottom and sides.
- Durable epoxy coating for long-lasting protection.
- It has a A2 Steel Hardened Blade set at a lower pitch than other planes, with the bevel up. It's usually small enough to be used with one hand.
- It's mainly used for end grain work, but can also be used for trimming, leveling, smoothing Chamfer ends, Trim flush to panel surfaces, Round over, Erase mill marks, Square up small stock, Bevel an edge, Plane to a line, Fit doors and other parts, Sharpen a pencil.





PLANES



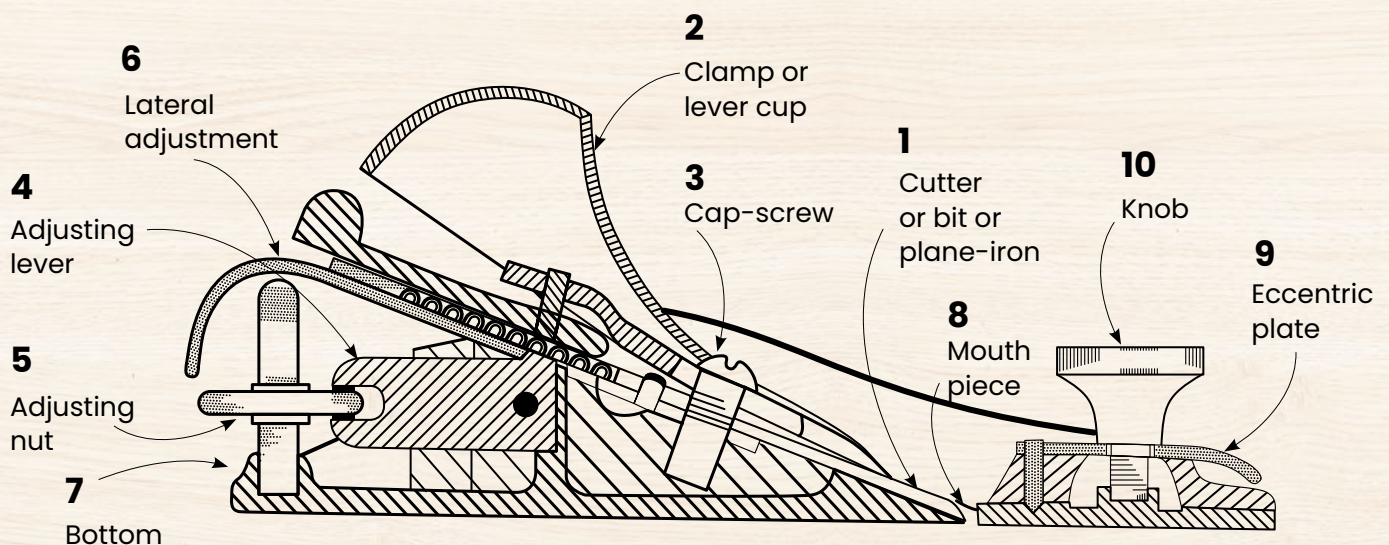
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Blade Thickness	Bed Angle	Blade Angle	Blade Bevel
2mm	21°	25°	20°
2mm	21°	25°	20°
3mm	12°	25°	12°
2mm	13.5°	25°	13.5°
2mm	21°	25°	25°

ANATOMIES OF BLOCK PLANES



PLANES

Rabbet Plane

Cat No	Model No.	Sole Length	Blade Width	Blade Thickness	Bed Angle	Blade Angle	Blade Bevel
GJP-6757	# 10	13" (330mm)	54mm	2mm	46.5°	46.5°	25°

- Designed for cleaning up wide rebates and shoulders or large joints and for general bench joinery, where a full width cutter is required.
- Grey cast iron body with precision ground base and sides for stability and accuracy.
- Machined blade seating eliminates blade movement and judder.
- Brass locking screw on lever cap for easy blade removal and sharpening.
- Hardwood handle and knob provide comfortable grip during extended use.



Craftsman Plane

Cat No	Model No.	Sole Length	Blade Width	Blade Thickness	Bed Angle	Blade Angle	Blade Bevel
GJP-6758	# 33	8.1/2" (215mm)	45mm	2mm	45°	45°	25°

- Ideal for smoothing and shaving wood.
- Helps to achieve a professional finish.
- Features knurled screws for depth and alignment adjustments.
- Grey cast iron body with precision ground base and sides for stability and accuracy.
- Machined blade seating eliminates blade movement and judder.
- Hardwood handle and knob provide comfortable grip during extended use.
- The cutter is easily adjusted for depth of cut.
- Features include well-finished hardwood handles with brass fittings for comfort and control.



JOINERY PLANES



3 in 1 Shoulder Plane 2 Pc

Cat No	Item
GWW-8836	3 in 1 Shoulder Plane
GWW-8836B	Spare Blade for 3 in 1 Shoulder Plane



Chisel Plane

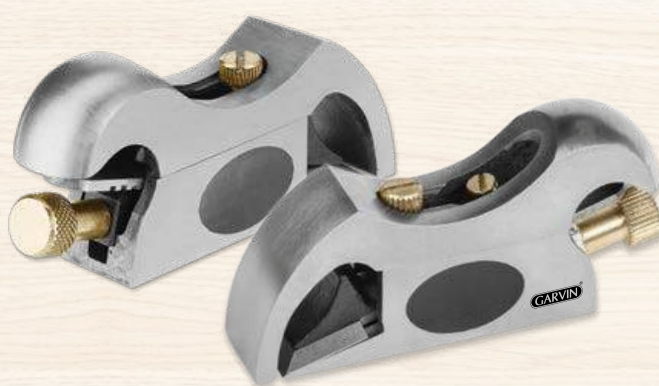
- Blade Width - 27mm.
- Sole Length - 150mm.
- Blade Angle 25°.
- Can be converted in to Chisel Plane or Bull Nose Plane.
- Shoulder Plane for close fitting joints.
- Blade Depth Can Be Controlled With Adjustable Brass Knob.
- Solid Steel Casting, Grinded Finish.



Shoulder Plane

Cat No	Item
GWW-8837	Shoulder Plane
GWW-8837B	Spare Blade for Shoulder Plane

- Blade Width - 3/4" (19mm).
- Sole Length - 5-3/8" (130mm).
- Blade Angle 25°.
- Suitable for trimming Shoulder Joints.
- Front Toe Portion can be removed to convert in to Chisel Plane.
- Solid Steel Casting, Grinded Finish.



Bull Nose Plane

Cat No	Blade Width	Sole Length
GWW-8838	1" (25mm)	4" (100mm)
GWW-8838B	Spare Blade for Bull Nose Plane	

- Blade Angle 25°.
- Suitable For Trimming Rabbets, Tenon Joints & Rabbets, Adjustable Throat.
- Versatile Low Angle Design To Trim Straight & End Grains.





SPECIAL PURPOSE PLANES



Corner



Squirrel no Tail



Squirrel with Tail



Violin Maker's

Cat No	Model	Sole Length	Blade Width	Blade Thickness	Bed Angle	Blade Angle
GCP-6677	Corner	58mm	11mm	-	-	45°
GSP-0301	Squirrel no Tail	85mm	24mm	2mm	45°	25°
GSP-0193	Squirrel with Tail	85mm	24mm	2mm	45°	25°
GVP-7089	Violin Maker's	85mm	20mm	3mm	20°	20°



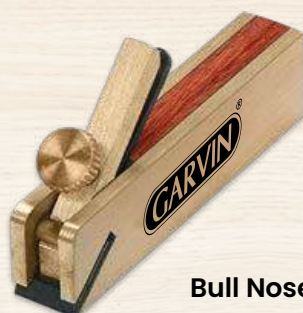
Spare Blades	For Model
GSB-0301	Squirrel no Tail
GSB-0301	Squirrel with Tail
GSB-7089	Violin Maker's

- **Corner:** Soften the edges on wooden boards and plywoods.
- **Squirrel with Tail & with No Tail:** Precision tool ideal for producing chamfers and fine trimming.
- **Violin Maker's:** Perfect for detail-oriented jobs like instrument building or model making.

mini HOBBY PLANES BRASS



Block



Bull Nose



Scraper

Cat No	Model	Sole Length	Sole Width	Blade Width	Blade Angle
GWP-0173	Block Plane	75mm	20mm	13.5mm	35°
GWP-0174	Bull Nose Plane	75mm	20mm	13.5mm	35°
GWP-0175	Scraper Plane	75mm	15mm	13.5mm	35°
GWP-0176	3 Pc Set of above				





ROUTER PLANES



Open Throat



Closed Throat

Cat No	Model	Sole Length	Sole Width	Cutter Size	Blade Angle
GRP-0196	Open Throat	7.1/2"	3.1/2"	3/8x3"	25°
GRP-0197	Closed Throat	7.1/2"	4"	3/8x3"	25°

Spare Blades	For Model
GSB-0196	Open Throat
GSB-0196	Closed Throat

Iron reversed
for bullnose
configuration



- Router planes are used for trimming and levelling the bottoms of joint recesses such as shallow mortises and dados (housings).

Stainless Steel



Closed Throat

Cast Iron



Open Throat

Closed Throat

Cat No	Model	Sole Length	Sole Width	Cutter Size	Blade Angle
GRP-0194	Closed Throat (SS)	115mm	65mm	3,6,8mm x 100mm	30°
GRP-0195	Open Throat (Ci)	100mm	55mm	6.35 x 50mm	25°
GRP-0198	Closed Throat (Ci)	100mm	55mm	6.35 x 50mm	25°

Spare Cutter	For Model
GSB-0194	Closed Throat (SS)
GSB-0195	Open/Closed Throat (Ci)



- Router planes are used for trimming and levelling the bottoms of joint recesses such as shallow mortises and dados (housings).



CHISEL PLANES



1



2

Cat No	Model No.	Sole Length	Sole Width	Blade Width	Blade Thickness	Blade Angle
GCP-1006	# 1	115mm	45mm	45mm	3mm	15°
GCP-6703	# 2	240mm	57mm	57mm	4mm	15°

Spare Blades	For Model No.
GCP-1006B	# 1
GCP-6703B	# 2

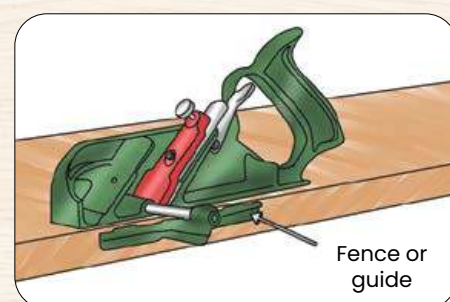
- A chisel plane (TRIMMING PLANE) can be useful for cleaning into the corners of a stopped rebate – that is, a rebate that stops short of the full width or length of the wood – and for trimming proud wooden dowels, plugs and dovetail joints (“proud” meaning slightly sticking out).
- In short, the chisel plane reaches the parts that other planes simply cannot reach. And it will never be replaced by a router!

• Blade Bevel 25°.



Duplex Rabbet Plane

Cat No	Model No.
GJP-1013	# 078



- PREMIUM Duplex Rabbet & Fillister Plane.
- Supplied with an adjustable fence depth gauge and cutting spur.
- Two cutter positions for regular and bull nose work Cutter adjustable for depth of cut in the rear position.
- Depth adjustment of the iron by a lever.
- Cutter width 1. 1/2" (38mm).
- Total Length 8.1/2" (213mm).



Side Rabbet Plane

Cat No	Width
GRP-6678	60mm



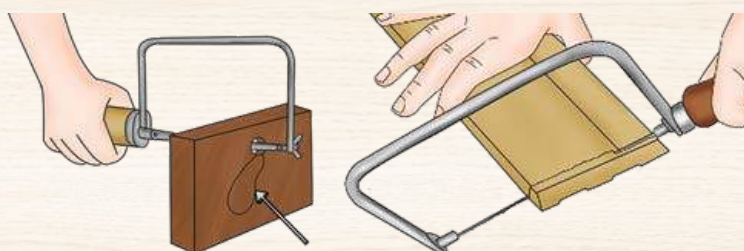
The GARVIN Side Rabbet Plane is a handy tool that is perfect for cleaning up rebates and grooves, ensuring a proper fit.

It features 2 interpedently adjustable T10 hardened steel blades with a reversible and adjustable depth stop. The body is made of 40cr tool steel for a solid build that ensures accurate strokes. The front of the plane is easily removable for conversion to a bull nose configuration for corners and stop dados. Dual-blade configuration cleans up slots as narrow as 5mm and as deep as 15mm.

- Plane Length 110mm.
- Bed Angle 12°.
- Blade Angle 25°.
- Blade Thickness 2mm.
- Blade Width 10mm.

Coping Saw Frame

Cat No	Depth
GJT-0300	4.3/4" (120mm)



Shape to be cut



Coping saws are designed for very delicate cutting applications (e.g, making intricate shapes or curved lines). They should not be used to cut material any thicker than 25mm (1 inch approx). They are often used to shape the edges of wooden moulding, or when creating joints.

Draw Knife

Cat No	Cutting Length	O.A.L
GDK-6773	200mm	375mm
GDK-6774	340mm	475mm



Material: Made from hand-forged carbon steel, hardened and tempered for durability.

Design: Features a single-bevel blade (like a giant chisel) with two handles, allowing for pulling cuts.

Usage: Excellent for rough shaping, removing bark, crafting chair legs, spindles, and general timber work.



WOOD WORKING KITS



Wood Working Kit - 5 Pc

Cat No	What's Included
GWW-8830	1 x Jack Plane - 9.3/4" (245mm) 1 x Block Plane - 6.1/4" (160mm) 1 x Try Square - 9" (225mm) 1 x Sliding Bevel - 9" (225mm) 1 x Marking Gauge - 9" (225mm)



Miniature Wood Working Kit - 4 Pc

Cat No	What's Included
GWW-8832	1 x Mini Brass Block Plane 3"/75mm 1 x Sliding Bevel Wooden 3"/75mm 1 x Carpenter Square Wooden 3"/75mm 1 x Wooden Marking Gauge 3"/75mm



Wood Working Kit - 3 Pc

Cat No	What's Included
GWW-8833	1 x Jack Plane 50mm 1 x Block Plane 35mm 1 x Spoke Shave 28mm



Wood working Planer KIT - 2 Pc

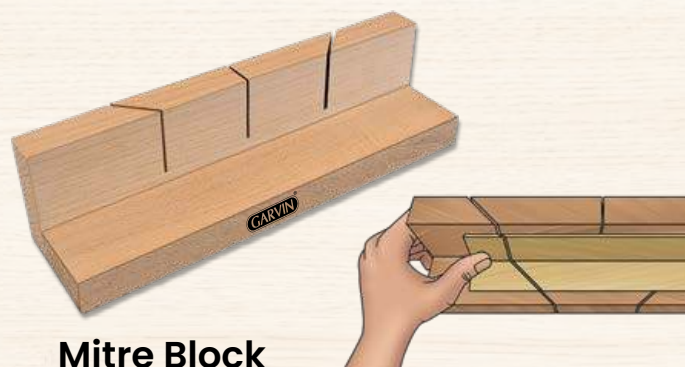
Cat No	What's Included
GWW-8831	1 x Jack Plane - 9.3/4" (245mm) 1 x Block Plane - 6.1/4" (160mm)



BLOCKS



Mitre Box



Mitre Block

Cat No	Size		Capacity
	Inch	mm	
GWW-8847	9x4.1/2"	225x114	72mm
GWW-8848	12x4.1/2"	300x114	72mm

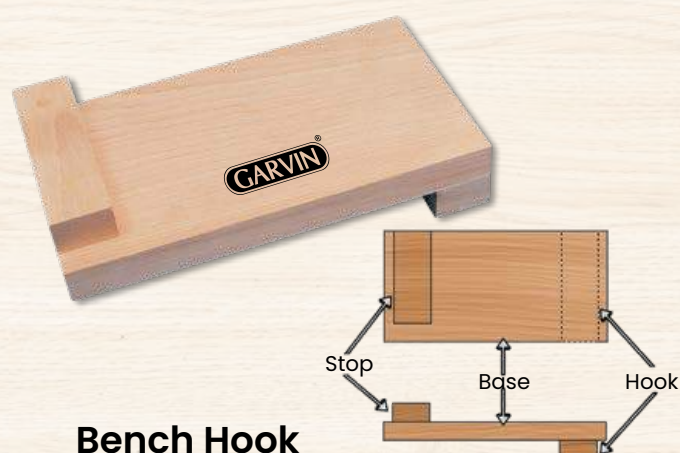
This Beech Wood Mitre Box Comes with pre-defined slots for making precise angled cuts in wood. It guides your saw to produce accurate miters, bevels, and cross-cuts.

- Accuracy: Ensures precise angled cuts.
- Versatility: Cuts various angles (commonly 45°, 90°).
- Safety: Keeps hands away from the saw blade.
- Durability: Wooden construction withstands heavy use.

Cat No	Size		Capacity
	Inch	mm	
GBH-6682	9x2-1/2"	225x64	72mm
GBH-6683	12x2-1/2"	300x64	72mm

"They are designed for use with tenon or backsaws. Ideal for use when cutting picture frame joints and general carpentry work." The advantages of a Mitre Block over a Mitre Box are that they can accommodate larger width pieces of work as it isn't restricted by the physical size of a box.

- Accuracy: Ensures precise angled cuts.
- Versatility: Cuts various angles (commonly 45°, 90°).
- Safety: Keeps hands away from the saw blade.
- Durability: Wooden construction withstands heavy use.



Bench Hook

Cat No	Size	
	Inch	mm
GBH-6680	8"x4"	200x100
GBH-6681	10"x5"	250x125

This Beech Wood Bench Hook is attached to a workbench to hold and support wood pieces at a 90-degree angle, making it easier to cut, join, or shape them. Here are some benefits and uses of a wooden bench hook:

Benefits:

- Precision cutting: Holds wood firmly, ensuring accurate cuts.
- Increased safety: Prevents wood from moving or binding during cutting.
- Versatility: Can be used for various woodworking tasks, such as cutting, joining, and shaping.

Uses:

- Cross-cutting boards.
- Mitring joints.
- Rip cutting narrow boards.
- Holding small parts for sanding or assembly.
- Supporting long boards for planing or jointing.
- Shooting End Grains.



SCRAPPERS



Cabinet Scraper

Cat No	Model No.	Size
GCS-6634	80	11.1/4" (280mm)
Blade Size		Blade Thickness
2.5/8" x 1.1/2" (68 x 40 mm)		1/8" (3mm)

- Comes fitted with 45° high Carbon Spring Steel Blade.
- Adjustable Brass Nut to tighten for a deeper cut.
- Produced from cast iron, use to clean scratches, glue etc.



Triangular Scraper

Cat No	Description	Total Length
GTS-0624	Hollow ground cutting edges	7-1/4" (185mm)
GTS-0625	Solid cutting edges	7-3/4" (200mm)

- Blades are manufactured from high carbon steel, Hardened and ground points.
- Used to remove spots & burrs on machined surfaces.
- Fine quality polished hardwood Handles.



Glue Scraper

Cat No	Length
GGs-6690	12.1/2" (318mm)
Blade Size	Blade Thickness
61 x 56mm	2mm

- For removing dried excess glue & scraping extra varnish.
- The tool steel blade is sharp on two sides.
- Cast Iron Handle with a black epoxy paint finish.



Cabinet Scraper Set - 4 Pc

Cat No	Thickness
GWW-0198	0.6mm

- Useful for woodworkers to scrape along wood to give a smooth finish.
- Straight/flat cabinet scraper: 2" x 6".
- Convex/concave cabinet scraper: 2" x 5.3/4".
- Goose neck cabinet scraper: 2.3/4" x 5.1/4".
- Double curved cabinet scraper: 2.3/4" x 5.1/2".



SPOKE SHAVES



Spoke Shave - Flat Sole

Cat No	Blade Size
GWW-8846	2.1/8" (55mm)

- Used to shape and smooth woods in wood working jobs such as making cart wheel spokes, chair legs, paddles, bows, and arrows.
- The tool consists of a blade fixed into the body of the tool, which has a handle for each hand.
- Holes on the handle ends make them easy to hang in your workshop.



2 Pc Set Concave / Convex

Cat No	Blade Size
GWW-6494	2.5/64" (52mm)

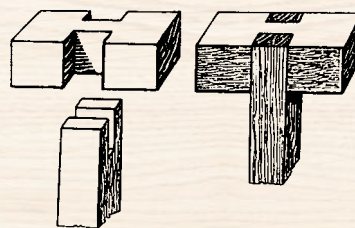
- For removing stock in either convex (chair seats) or concave (round legs).
- Ergonomic curved cast iron handles gives control and a steady balanced grip.
- Assembled with screws for a tight fit.
- Use thumb pressure to adjust the depth and angle of cut.
- Holes on the handle ends make them easy to hang in your workshop.



Workbench Holdfast Clamp

Cat No	Length
GHC-7126	8" (200mm)

- **QUICK AND EASY CLAMPING:** Use this Holdfast on your workbench to quickly shift and adjust your woodworking stock with its quick clamping and quick release design.



- **VARIOUS APPLICATIONS:** For applications where you need to consistently shift your workpiece; Carving, routing, sanding, finishing, and general woodworking jobs; Rough stem and uniquely hooked profile offers a strong hold on difficult workpieces.
- Holding work down for morticing the bridle joint.
- A woodworking joint used to connect the internal parts of wooden frames, such as furniture frames.
- A single holdfast fixes the work in place, and gives you two free hands.



CHISELS **CrV STEEL**



Wooden Handle

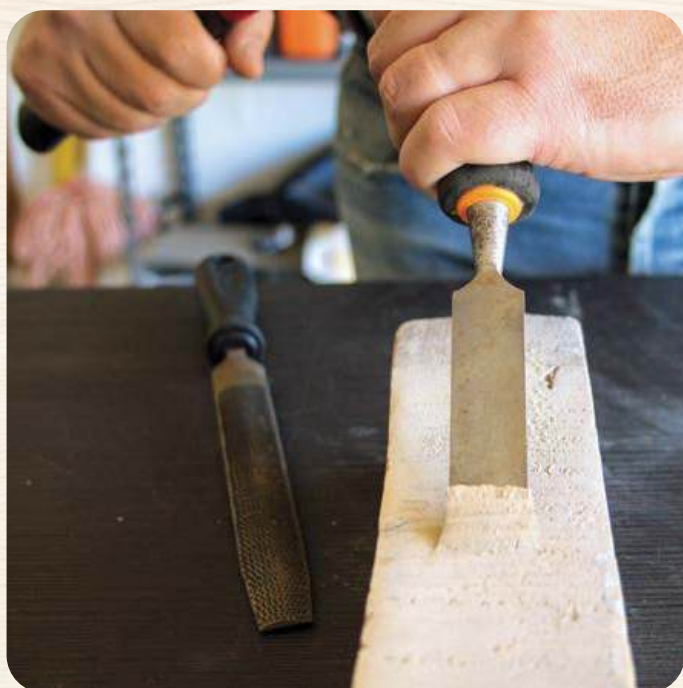
Cat No Wooden Handle	Cat No Fibre Handle	Size
GWC-6462	GWC-6456	1/4" (6mm)
GWC-6463	GWC-6457	1/2" (13mm)
GWC-6464	GWC-6458	3/4" (19mm)
GWC-6465	GWC-6459	1" (25mm)
GWC-6466	GWC-6460	1 1/4" (32mm)
GWC-6467	GWC-6461	1 1/2" (38mm)
GWC-6495	7 Pc Set (6 Chisels Wooden Handle + Sharpening Stone)	
GWC-6470	7 Pc Set (6 Chisels Fibre Handle + Sharpening Stone)	
GSS-6493	Sharpening Stone 6" (150mm)	



Ergonomic Design

Fibre Handle

- Chrome Vanadium Steel.
- Wooden Handles.
- Fiber Handles.
- Hardened & Ground.
- Bevelled Edges.
- Ergonomic Gripping.

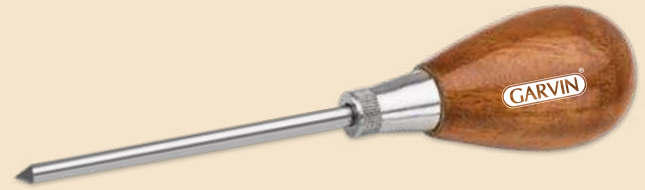




Brad Awls

Cat No	Shape
GSA-5002	Round Pointed
GSA-5003	Chisel Pointed
GSA-5004	Square Pin Pointed

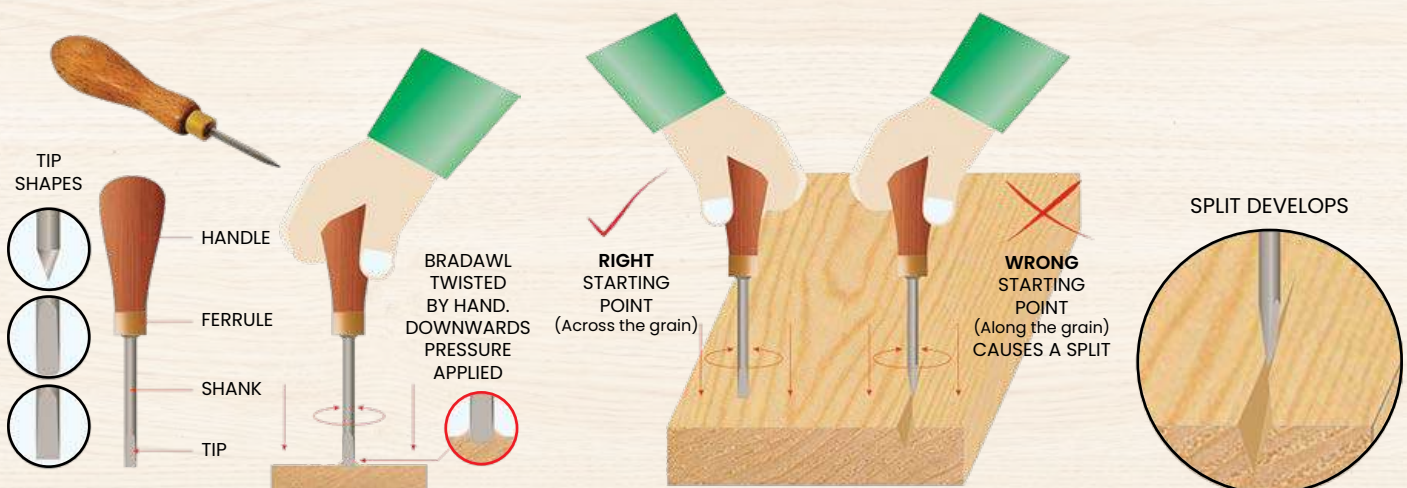
- A set of 3 (127mm) bradawls with tapered heads to cover every need. Each point fills a different role, whether scribing, hole making or chiselling. Impact resistant metal striking caps ensure durability even with rough use.
- Designed with ergonomic wooden handles, these bradawl joinery tools provide a firm and comfortable grip when applying pressure: Offering a balance of performance and comfort.
- This versatile set includes a square point bradawl, round point bradawl, and chisel point bradawl to cover every base. The hardened tapered heads are ideal for clearly and effectively scribing, starting holes, and aligning.
- Ideal for Multiple Materials.
- Our bradawl tools are suitable for making indentations in softwood, hardwood, and other materials. These purpose built carpenters tools are ideal for easing the insertion of screws or nails. Ergonomic Wooden Handles.



Scratch Awl

Cat No	Size
GSA-5001	6.1/2" (165mm)

- Hardened point for scribing & punching.
- Smooth hardwood polished handle for firm grip.



MEASURING



Marking gauge

Cat No	Size
GMG-0218	3" (75mm)
GMG-0216	6" (150mm)
GMG-0217	9" (225mm)



Mortise

Cat No	Size
GMG-0219	3" (75mm)
GMG-0220	6" (150mm)
GMG-0221	9" (225mm)



Adj. Mortise

Cat No	Size
GWW-9001	6" (150mm)



Sliding T-Bevel Wooden

Cat No	Size
GSB-4165	3" (75mm)
GSB-4166	7.1/2" (190mm)
GSB-4167	9" (225mm)
GSB-4168	10.1/2" (265mm)



Marking Knife - Striking Knife

Cat No	Size	Handle Length
GES-7209	1.1/2" (38mm)	5" (125mm)

- Marking Knife is widely used by Wood workers for perfect Layout markings prior to Wood cutting.
- Hardened Alloy Steel Makes this Tool More versatile to produce Deeper Markings.
- Bevelled blade on each edge with the point in the middle, this one knife suits either.



Cork Scriber

Cat No	Size
GOS-6691	6.1/4"

The Cork Scriber tool consists of a high carbon steel shaft which is pointed at both ends. The cork handle surrounds the metal for an easy grip and for those who have trouble with thinner etching tools. This double-ended scribe can be used for adding detail or tone of a linear burr.

- Usage - Intaglio (Metal Engraving).



Precision Steel Rule (Stainless Steel)

Cat No	Inch	mm	Width
GSR-7006	6	150	3/4" (20mm)
GSR-7007	12	300	1" (25mm)
GSR-7008	18	450	1" (25mm)
GSR-7009	24	600	1" (25mm)
GSR-7009A	36	900	1.1/8" (28mm)
GSR-7009B	39 (1 Mtr.)	1000	1.1/8" (28mm)
GSR-6977	48	1200	1.1/8" (28mm)



& MARKING



Wood Working Calipers

Cat No Grinding Finish	Cat No Black Finish	Shape	O.A.L
GWC-6914	GWC-6914B	Double Ended Outside	8" (200mm)
GWC-6910	GWC-6910B	Double Ended Outside	10" (250mm)
GWC-6916	GWC-6916B	Double Ended Outside	12" (300mm)
GWC-6913	GWC-6913B	Inside & Outside	8" (200mm)
GWC-6912	GWC-6912B	Inside & Outside	10" (250mm)
GWC-6911	GWC-6911B	Inside & Outside	12" (300mm)
GWC-6915	GWC-6915B	Double Ended Outside (Offset)	8" (200mm)
GWC-6916	GWC-6916B	Double Ended Outside (Offset)	10" (250mm)
GWC-6917	GWC-6917B	Double Ended Outside (Offset)	12" (300mm)



Trammel Set - 2 Pc

Cat No
GBT-1010

- Zinc Die Cast Construction.
- Useful for Scribing Parallel Lines, Circles & Arcs.
- Enables Beam Width 3/8" (10mm) to 1.1/4" (32mm).
- Radius Lengths as required with your own made beam.

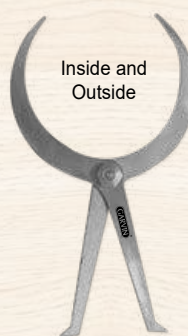
- Bevelled on one side.
- High carbon steel Hardened Blade.
- Hardwood handle.



Marking Knife

Cat No	Shape	Width	Length
GES-8051	Left	20mm / 3/4"	150mm/6"
GES-8052	Right	20mm / 3/4"	150mm/6"

Premium Wood Working Calipers



Cat No	Size	
	Inch	mm
GWC-0001	6	150
GWC-0002	8	200
GWC-0003	10	250
GWC-0004	12	300

- Professional quality Caliper manufactured from quality steel.
- Polished Finish.
- Hexagon Screw Hinge for precise measurements.



MEASURING



Two Points



One Point

Dividers With Pencil Holders

Cat No two points	Cat No one point	Nominal Size	
		Inch	mm
GPC-6895	GPC-6900	6	150
GPC-6896	GPC-6901	7	175
GPC-6897	GPC-6902	8	200
GPC-6898	GPC-6903	10	250
GPC-6899	GPC-6904	12	300

Divider with Brass Pencil Holder

Cat No	Range	
	Inch	mm
GPC-6882	6	150
GPC-0010	10	250
GPC-0012	12	300

- Carbide tipped scribe included.
- Constructed from good quality forged steel.
- Thick Square Legs & polished finish.
- Very useful instrument for tool room & students.
- Hardened tips give accurate results.



With Wing



Without Wing

Dividers

Cat No With Wing	Cat No Without Wing	Nominal Size	
		Inch	mm
GWC-6875	GWC-6883	6	150
GWC-6876	GWC-6884	7	175
GWC-6877	GWC-6885	8	200
GWC-6878	GWC-6886	10	250
GWC-6879	GWC-6887	12	300

- Thick legs with forged steel & riveted head.
- Very easy to grip the body & balance.
- Hardened & Tempered edges for rigid jobs.



Angle Protractor (0 to 180°)

Cat No	Description
GDP-6922	With Round Head Brass Nut

- Stainless Steel & polished body.
- Graduations are properly etched to give accurate measurements.
- Move from 0 to 180°.



& MARKING



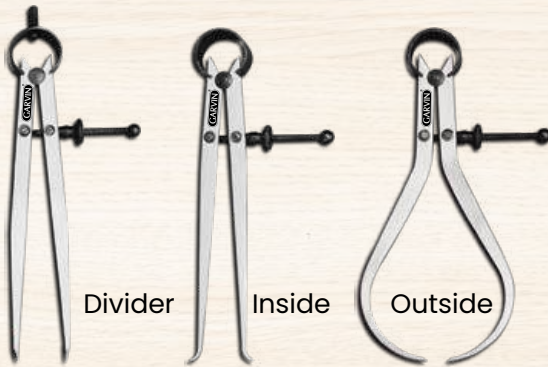
Flat Leg

Square Leg

Spring Divider Pencil Holders

Flat Leg		Square Leg		Range	
Cat No	Cat No	Cat No	Cat No	Inch	mm
Single	Double	Single	Double		
GSC-4005	GSC-4010	GSC-4015	GSC-4020	6	150
GSC-4006	GSC-4011	GSC-4016	GSC-4021	8	200
GSC-4007	GSC-4012	GSC-4017	GSC-4022	10	250
GSC-4008	GSC-4013	GSC-4018	GSC-4023	12	300

- Heat treated and polished steel.
- Hardened and tempered spring steel.
- Uses standard pencil.



Divider

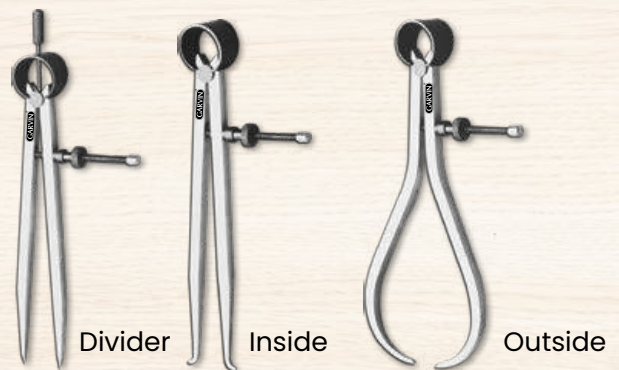
Inside

Outside

Spring Calipers - Flat Leg

Cat No Divider	Cat No Inside	Cat No Outside	Nominal Length	
			Inch	mm
GSC-6645	GSC-6657	GSC-6667	3	75
GSC-6646	GSC-6658	GSC-6668	4	100
GSC-6647	GSC-6659	GSC-6669	5	125
GSC-6648	GSC-6660	GSC-6670	6	150
GSC-6649	GSC-6661	GSC-6671	8	200
GSC-6650	GSC-6662	GSC-6672	10	250
GSC-6651	GSC-6655	GSC-6673	12	300

- Made of good quality carbon steel & finely polished legs.
- Comes with quick action release nut & rivets.
- All points are heat treated to give accurate measurements.
- Any other sets can also be supplied on request.



Divider

Inside

Outside

Spring Calipers - Square Leg

Cat No Divider	Cat No Inside	Cat No Outside	Nominal Length	
			Inch	mm
GSC-6680	GSC-6691	GSC-6701	3	75
GSC-6681	GSC-6692	GSC-6702	4	100
GSC-6682	GSC-6693	GSC-6703	5	125
GSC-6683	GSC-6694	GSC-6704	6	150
GSC-6684	GSC-6695	GSC-6705	8	200
GSC-6685	GSC-6696	GSC-6706	10	250
GSC-6686	GSC-6697	GSC-6707	12	300

- Made of good quality carbon steel.
- Comes with quick action release nut & rivets.
- Points are heat treated to give accurate measurements.
- Accurate tool for engineers to use in tool room.
- Any other sets can also be supplied on request.



MEASURING & MARKING

Premium Spring Caliper Set of 3pcs

Cat No	Size	Set Contents
GSC-6715	6" (150mm)	(In, Out & Divider With Pencil Holder)
GSC-6716	8" (200mm)	
GSC-6717	10" (250mm)	
GSC-6718	12" (300mm)	

- The legs are coated with a rust preventive black epoxy finish.
- Useful for taking measurements and compare internal/external sizes.
- Machined legs.
- Adjusting nut for fine settings.
- Hardened Points HRC 50-55.



Craftsmen Measuring & Marking Tool Set



9 Pc Set

Cat No	What's Included
GMK-6753	1 x Marking Knife
	1 x Premium Spring Divider
	1 x Premium Spring Caliper Outside
	1 x Premium Wing Divider Pencil Holder
	2 x Craftsmen Pencil
	1 x Eraser
	1 x Sharpener
	1 x Steel Ruler 6"/150mm

- A premium quality set to complete your tool chest.
- For architects, draftsmen, engineers, and woodworkers.
- Packed in Quality Fitted Case.



SQUARES



**Carpenter's Squares
Wooden Handle**

Cat No	Blade Length	
	Inch	mm
GCS-6531W	2.7/8	72
GCS-6532W	6	150
GCS-6536W	9	225



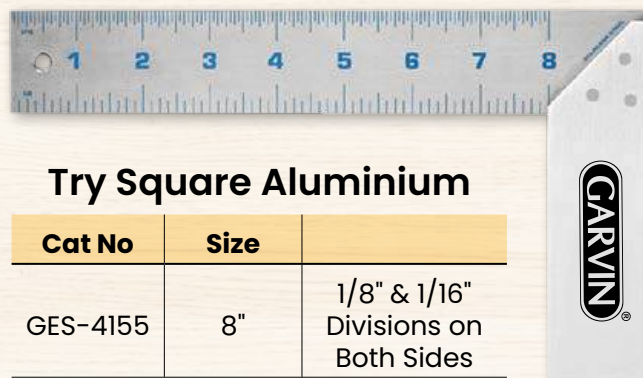
Dovetail Square - 10°

Cat No	Size
GWW-5302	3" (75mm)

Mitre Square - 45° & 135°



Cat No	Size
GMS-6679	9" (225mm)
GMS-6679L	12" (300mm)



Try Square Aluminium

Cat No	Size	
GES-4155	8"	1/8" & 1/16" Divisions on Both Sides
GES-4156	200mm	MM & 0.5mm

- Stainless Steel Blade & Heavy Duty Aluminium Handle.
- Visible markings.



**Carpenter's
Steel Squares**

Cat No	Size	
	Inch	mm
GCS-6531	4	100
GCS-6532	6	150
GCS-6533	8	200
GCS-6534	10	250
GCS-6535	12	300
GCS-6536	16	400

- Stock is made of quality casted steel.
- Blades are made of stainless steel.
- Both sides of blades are fine etched with one side.
- Imperial & one side metric graduations. Very useful tool for carpenters.



SQUARES



BS939

USAGE

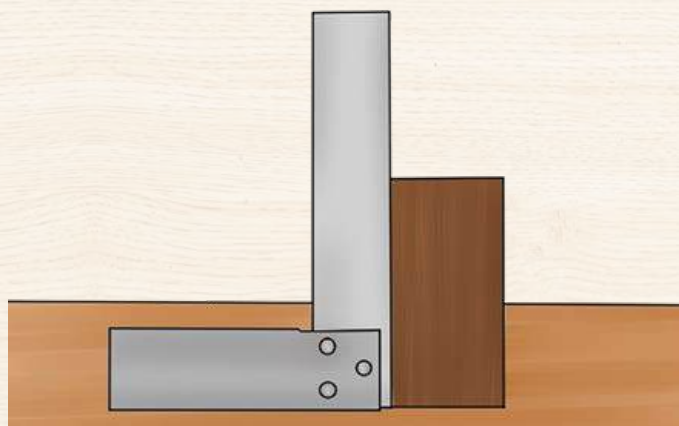
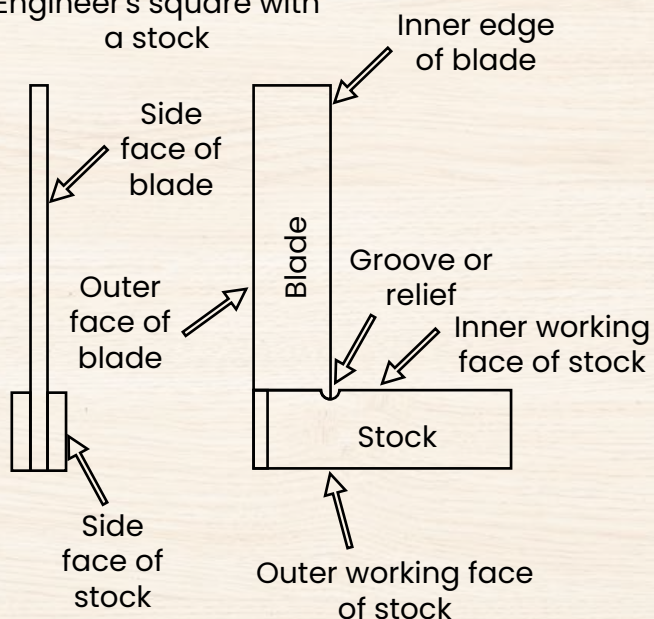


Engineer's Steel Squares

Cat No	Blade Length		Stock Length	
	Inch	mm	Inch	mm
GES-6500	2	50	2	50
GES-6501	3	75	2.5	60
GES-6502	4	100	3	75
GES-6503	6	150	4	100
GES-6504	8	200	5	125
GES-6527	9	225	6	160
GES-6505	10	250	6	160
GES-6506	12	300	8	200
GES-6510	4 Pc set of 2", 3", 4", 6"			
GES-6511	4 Pc set of 2", 4", 6" & 8"			
GES-6512	3 Pc set of 4", 6" & 8"			
GES-6513	4 Pc set of 4", 6", 9 & 12"			
GES-6525	2 Pc set of 9" & 12"			
GES-6772	3 Pc set of 2", 3", & 4"			

- Hardened spring steel blades are in ground finish.
- Stock is Precision Ground.
- Very Useful tool for workshop engineers.

Engineer's square with a stock



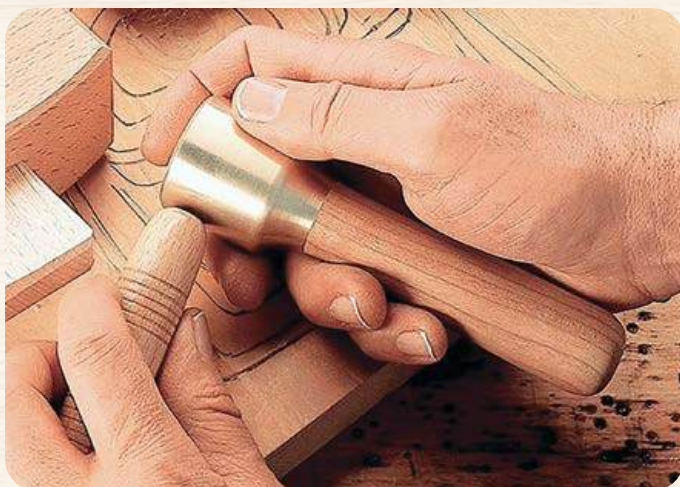
MALLETS



Brass Mallet

Cat No	O.A.L.	Dia	Weight
GBM-6630	43mm	34mm	12oz/340gm

- Brass mallets are used to tap pieces into place without damaging wood including driving chisels, carving, and assembling wooden joints.
- Corrosion-resistant: Brass resists corrosion, making it suitable for use in harsh environments.
- Non-sparking and Non-marring.
- Ergonomic hard wood handle.



Wooden Mallet

Cat No	Size
GWW-5303	Small - 4" (100mm)
GWW-5304	Medium - 4.1/2" (114mm)
GWW-5305	Large - 5" (125mm)

- Wooden tapered mortise pattern mallets for general joinery work.
- Made from beech wood to provide the required weight and resistance against splitting.
- The mortised head and tapered handle maintain a perfect and secure fit.
- **Furniture making:** Used to assemble and disassemble furniture without damaging components.
- **Woodworking:** Wooden mallets are used for tapping chisels, shaping wood, and fitting parts.
- **Timber framing:** Used to tap and secure large timbers.
- **Martial arts:** Wooden mallets are used in martial arts training for striking pads and boards.



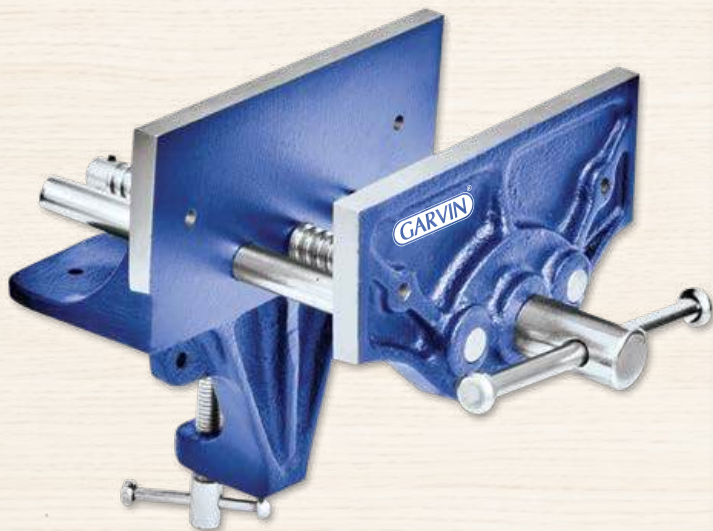
Carver's Mallet

Cat No	Head Dia.
GCM-5306	4" (100mm)

- It is great for hitting chisels and gouges to create details in your wood carving.
- These mallets offer exceptional balance and control, ensuring every strike is accurate and effective.
- Approx. Weight 18oz / 510 Grams



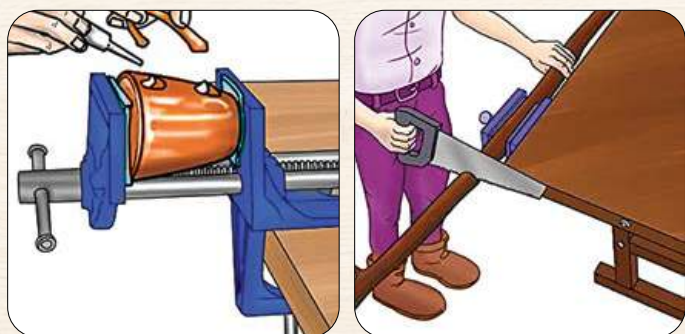
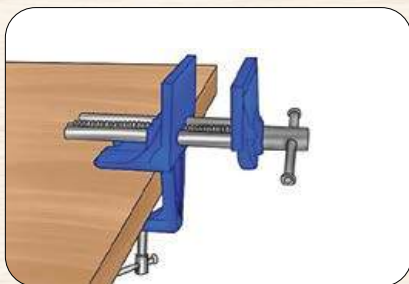
VICES



Wood Working Vice - Portable

Cat No	Jaw Width	Jaw Opening
GWV-0615	6"/150mm	5"/120mm

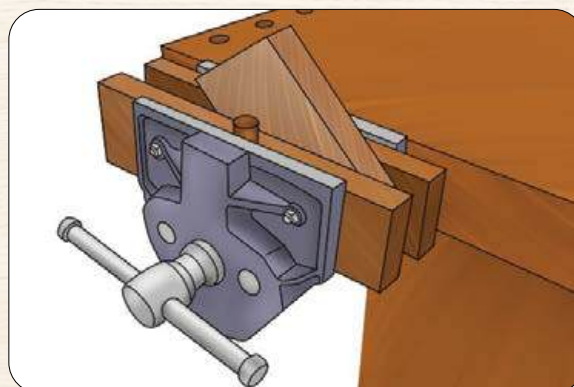
- Equipped with a "TOE-IN" Feature.
- When fully closed the jaws meet only at the top to provide even clamping over the whole depth of your workpiece.
- Permanently clamp the vise to your bench using bolt slots in the vise body or you can use the 55mm capacity integrated clamp.



Wood Working Vice

Cat No	Cat No Quick release	Jaw Width	
		Inch	mm
GWV-0165	GWV-0169	6	150
GWV-0166	GWV-0170	7	175
GWV-0167	GWV-0171	8	200
GWV-0168	GWV-0172	9	225

- Manufactured from Close-Grained Cast iron.
- Quick Release type offers the flexibility for quick action to interchange jobs smoothly through its trigger mechanism.



VICES

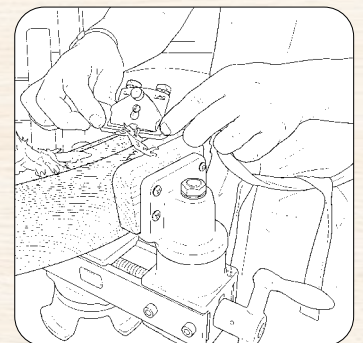
Front Vice

Cat No	Jaw Width	Jaw Opening
GWV-6491	7.1/8" (181 mm)	8.1/4" (210 mm)

- It Helps woodworkers to create their own vice assemblies or add one to their accessories on existing workbenches.
- Manufactured from strong and robust castings as well as cast iron body and handle socket.
- The precision rolled threads and twin guides make it easy to use, providing a secure grip on the work piece to make precise cuts and adjustments with ease.
- The wooden handle gives a comfortable and ergonomic grip, reducing hand fatigue during extended periods of use. This vice is perfect for Professional Craftsmen and Woodworkers.



- 360 deg. Swivel.
- Inward tilted wooden jaws for soft grip. Accommodate tapered, round or odd shaped pieces.
- Manufactured from cast iron and steel.
- Provides infinitely variable positions for workpieces.



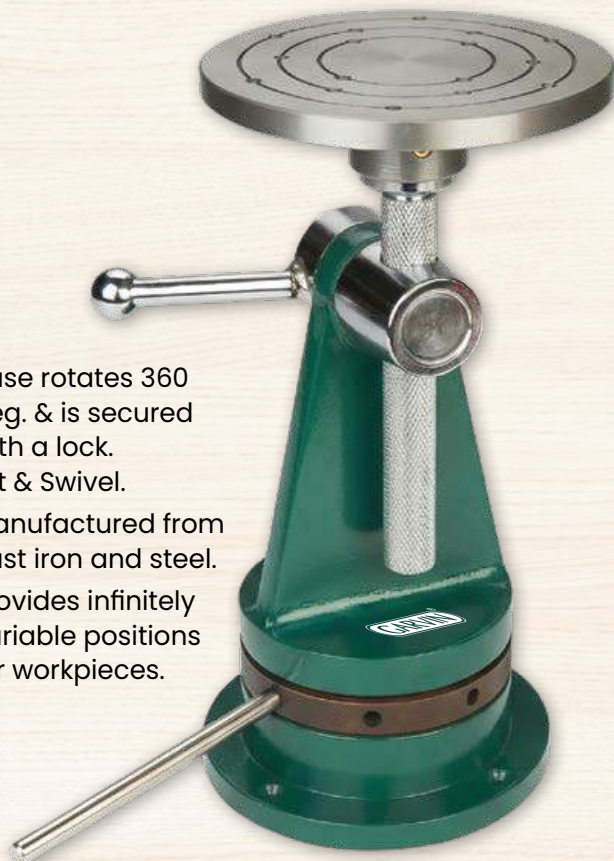
Pattern Maker's Vice

Cat No	Jaw Width		Jaw Height		Jaw Opening				Length		Width		O.A.L.		Base Height		Body Length	
	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
GPM-6755	5	125	2.5/8	70	6	150	16.3/4	425	4.3/4	120	8.1/2	215	1.1/2	38	14.5/8	370		



VICES

- Base rotates 360 deg. & is secured with a lock. Tilt & Swivel.
- Manufactured from cast iron and steel.
- Provides infinitely variable positions for workpieces.



Carving Vice

Cat No	Face Plate Dia	Base Dia	Face Plate Thickness	Height
GCV-6756	5" (125mm)	5.1/8" (130mm)	3/8" (9.5mm)	7.3/4" (195mm)



- Rotating jaws. 360 Deg. swivel base.
- Anvil surface.
- Manufactured from steel grade cast iron.



**Bench Vice
Multi Angle 360 Deg.**

Cat No	Jaw Width	Jaw Opening
GBV-0170	2.1/2" (65mm)	2.1/4" (55mm)

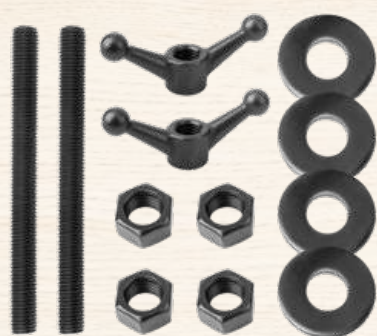
OPTICAL CENTER PUNCH

- Optical Center Punch Set with 2 magnifying glasses and 2 interchangeables punches.
- This Tool Guarantees to achieve a Precise Punch Location Every time.
- Supplied with 2 Optical Punches. One with Cross Hair with Target Style Marks.
- Also Included two hardened steel punches (60° & 90°) and Base Holder to hold all the Punches.
- Align the Position by optical Punch, magnified, and then use the steel Punch to get the mark.



Cat No
GOP-0485





MOXON VICES



HARDWARE KIT

Cat No	Threaded Rod Length	Threads	What's Included
GMX-4231	8" (200mm)	3/4" x 10 TPI	2 x Threaded Rods 2 x Cast Knobs 4 x 3/4 inch Nuts 4 x Washers
GMX-4232	10" (250mm)	3/4" x 10 TPI	
GMX-4233	12" (300mm)	3/4" x 10 TPI	

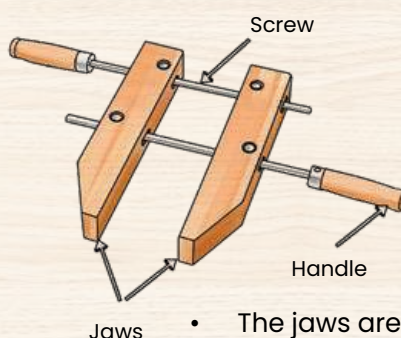
WITH HAND WHEEL

Cat No	What's Included
GMX-4234	2 x 5" Hand wheels
	2 x 3/4" x 8" Acme threaded screws
	4 x Acme threaded nuts
	4 x Washers

- Designed for woodworking, vice set for moxon improves the functionality of your workbench.
- It has wide compatibility with a variety of woodworking benches & can help woodworkers fine carving, cutting cones or dovetails & transforms any table into a workbench by clamping securely to any stable surface—perfect for workshops with limited space.
- Bench vise screw kit is a double screw jig accessory that can help woodworkers provide strong stability when doing fine carving, cutting and other work. In addition, woodworking vices for workbench has a wide range of compatibility and portability, can be matched with a variety of woodworking workbench and can be stored in a small place when not needed.



CLAMPS



Wooden Hand Screw Clamp

Cat No	Jaw Length	Max Jaw Opening	Throat Depth	Jaw width
GWC-6684	4"	2.1/4"	2"	1"
GWC-6685	6"	3.1/8"	3"	1.1/4"
GWC-6686	8"	4.5/8"	4"	1.1/2"
GWC-6687	10"	6.1/8"	5"	1.5/8"
GWC-6688	12"	8.1/4"	6"	1.7/8"
GWC-6689	14"	10.1/4"	7"	2.1/8"

- The jaws are the parts which hold on to a workpiece to keep it in place.
- The twin handscrew design applies pressure along the length of the hard wood jaws - even on workpieces without parallel sides.
- The screws run through both jaws, connecting the two together. By adjusting these screws, the jaws can be angled or offset to accommodate for tapered workpieces.
- A hand screw clamp has 2 screws which control the movement of the jaws when rotated.
- The clamp also has two handles, one connected to each screw.



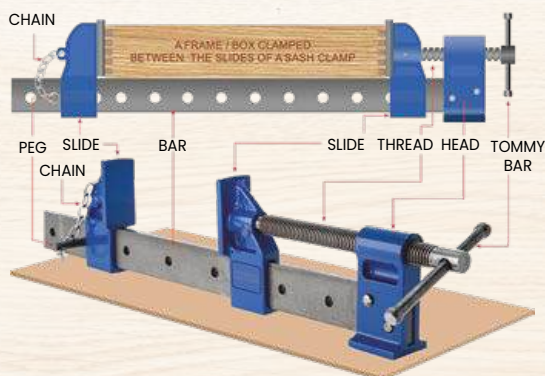
CLAMPS



**T-Bar Clamp
Steel Grade**

Cat No	Size
GBC-0160	2'/600mm
GBC-0161	3'/900mm
GBC-0162	4'/1200mm
GBC-0163	5'/1500mm
GBC-0164	6'/1800mm

- Solid "T" Bar Construction, ACME Threads.
- Steel Grade Iron Clamping Heads.
- Baked Paint for Rust Prevention.



Sash Cramp Head Set With Pipe

Cat No	Size
GWW-8839	20"/50cm
GWW-8840	40"/100cm
GWW-8841	2 Feet
GWW-8842	3 Feet
GWW-8843	4 Feet
GWW-8844	5 Feet
GWW-8845	6 Feet

- These clamp heads can be easily fitted onto any length of wooden batten with a cross section of 50x25mm (2x1").
- A light-duty clamp, as long and strong as the timber used, is quickly produced by drilling two holes to accommodate the clamp heads.



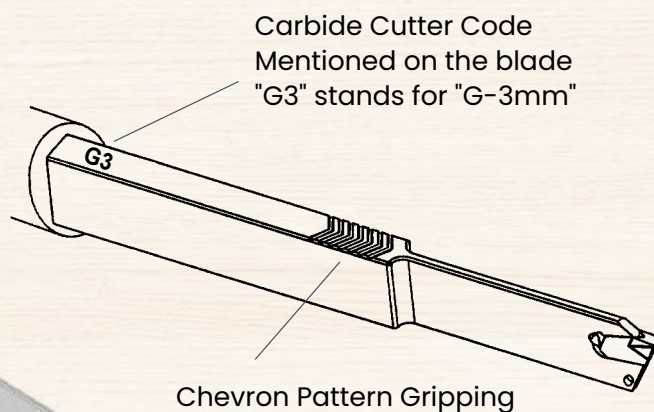
Corner Clamp

Cat No	Size
GWW-8834	4" (100mm)

- Allows two wood block of different thickness to be joined at a 90 degree angle.
- Maximum Clamping Range - 65mm.
- Jaw Height - 35mm.
- Jaw Width 105/65mm.



ACCESSORIES



Parting & Grooving Tool

Cat No

GW-8835

- Replaceable Carbide Cutter 3mm.
- No Sharpening Required.
- Clean parting & Grooving through all materials.
- O.A.L. - 19"/475mm.
- Hand Made Beach Wood Handle.



Drive Center Set - 4 Pc

Cat No	Size
GW-5300	MT-1
GW-5301	MT-2

- Hollow Center for drilling 8mm (5/16") through hole.
- Revolving Center.
- 25mm (1") Dia. Headstock Spur Center for Standard Spindles.
- 16mm (5/8") Dia. Headstock Spur Center for Narrow Spindles.
- Storage Box Included.



Revolving Center Multi Points 7 Tips



Cat No	Size
GRC-0021	MT-1
GRC-0022	MT-2
GRC-0023	MT-3
GRC-0024	MT-4

- Set Contents - 5 Diff. live centers, 1 Pipe Center, 1 Female Center & 1 Ejecting Key.
- Assembled with three bearings.
- Eccentricity between .005 - .010 μ
- Body is constructed from hardened and ground steel.
- Widely used by Modelmakers & Woodworkers on mini lathes.

Mini Lathe Chuck With Shanks



Cat No	Chuck Dia mm	No. Of Jaws	Thread Size	Shank	Drawbar mm
GLA-0001	50	3	M14x1	MT-1	M6
GLA-0002	50	3	M14x1	MT-2	M10
GLA-0003	50	3	M14x1	MT-3	M12
GLA-0004	50	4	M14x1	MT-1	M6
GLA-0005	50	4	M14x1	MT-2	M10
GLA-0006	50	4	M14x1	MT-3	M12
GLA-0007	65	3	M14x1	MT-1	M6
GLA-0008	65	3	M14x1	MT-2	M10
GLA-0009	65	3	M14x1	MT-3	M12
GLA-0010	65	4	M14x1	MT-1	M6
GLA-0011	65	4	M14x1	MT-2	M10
GLA-0012	65	4	M14x1	MT-3	M12

Mini Lathe Chucks



Self Centering



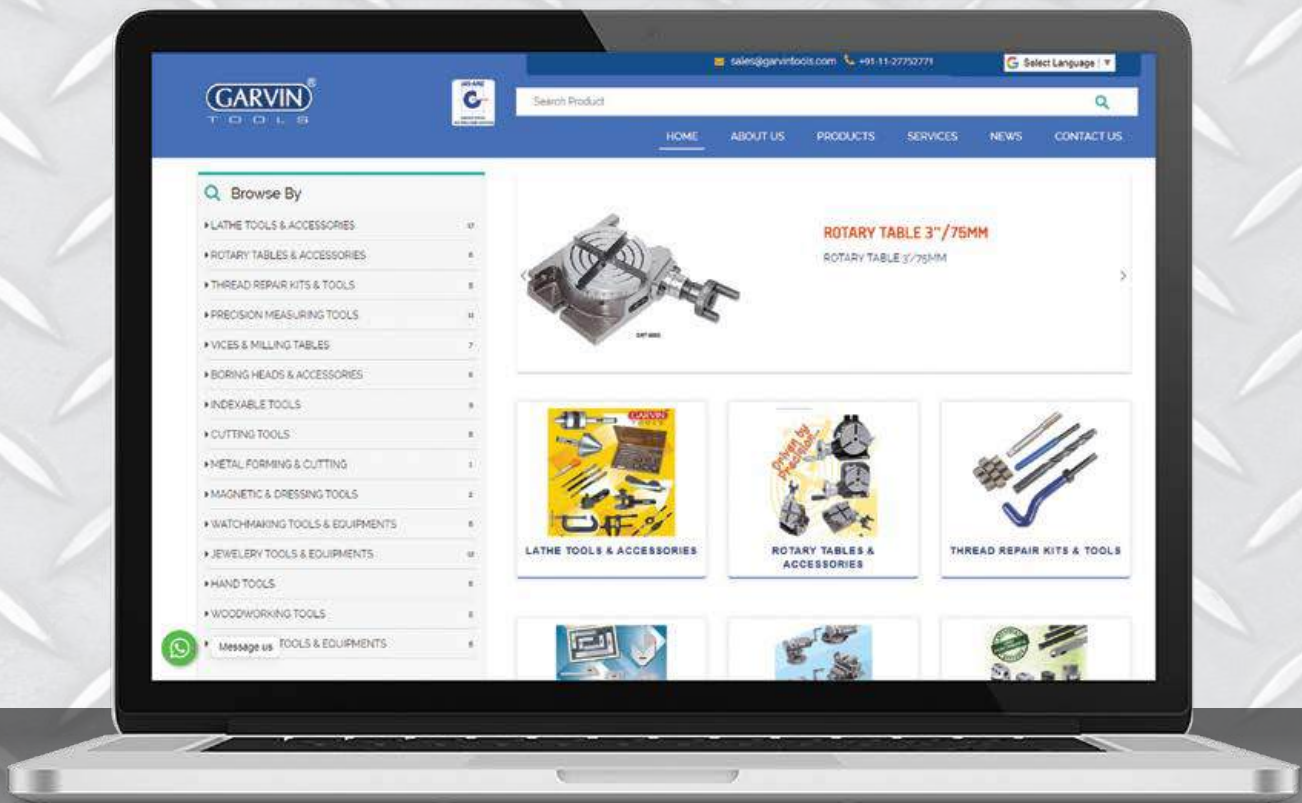
Independent

Cat No	Diameter	Back Thread	Type	No. of Jaws
GLC-8238	50mm	M12x1.0	Self Centring	3
GLC-8239	50mm	M14x1.0	Self Centring	3
GLC-8240	65mm	M12x1.0	Self Centring	3
GLC-8241	65mm	M14x1.0	Self Centring	3
GLC-8242	70mm	M12x1.0	Independent	4
GLC-8243	70mm	M14x1.0	Independent	4



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MANUFACTURERS & EXPORTERS

HEAD QUARTERS :

GARVIN House

M-278, SECTOR-1, BAWANA INDUSTRIAL PARK

NEW DELHI - 110039 (INDIA)

Ph: +91-11-41764519 / +91-8076517152

E-mail: sales@garvintools.com

www.garvintools.com

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